



# ***CiM-25/300L2L3***

***for SDM-300L2/SDM-300L3***

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IP-Enabled M&C  
Installation and Operation Manual  
Part Number CD/CIM253L2L3.OM  
Rev.1





# Errata A

## *Comtech EF Data Documentation Update*

**Subject:** Revise Paragraph 2.3.1 Powering the CiM-25

**Date:** July 9, 2004

**Part Number:** CD/CIM25300L2L3.OM

**Related Document:** CiM-25/300L2L3,for SDM-300L2/SDM-300L3,IPEnabled,M&C,Installation and Operation Manual,Part Number CD/CIM253L2L3.OM,Rev.1

**Collating Instructions:** Attach to Page 4

### **Comments:**

This information will be incorporated into the next revision.

### **Change Specifics:**

#### **2.3.1 Powering the CiM-25**

An AC/DC adapter is supplied to provide the CiM-26F power via the power-jack connector. There is no ON/OFF switch for the CiM-25.





# ***CiM-25/300L2L3***

***for SDM-300L2/SDM-300L3***

Comtech EF Data is an ISO 9001  
Registered Company.



IP Enabled M&C  
Installation and Operation Manual

Part Number CD/CIM253L2L3.OM

REV.1

August 6, 2003

## CUSTOMER SUPPORT

Contact the Comtech EF Data Customer Support Department for:

- ▶ Product support or training
- ▶ Information on upgrading or returning a product
- ▶ Reporting comments or suggestions concerning manuals

A Customer Support representative may be reached at:

Comtech EF Data  
Attention: Customer Support Department  
2114 West 7th Street  
Tempe, Arizona 85281 USA

480.333.2200 (Main Comtech EF Data Number)  
480.333.4357 (Customer Support Desk)  
480.333.2161 FAX

or, E-Mail can be sent to the Customer Support Department at:

[cimfss@comtechefdata.com](mailto:cimfss@comtechefdata.com)

Contact us via the web at [www.comtechefdata.com](http://www.comtechefdata.com).

1. To return a Comtech EF Data product (in-warranty and out-of-warranty) for repair or replacement:
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3. Be prepared to supply the Customer Support representative with the model number, serial number, and a description of the problem.
4. To ensure that the product is not damaged during shipping, pack the product in its original shipping carton/packaging.
5. Ship the product back to Comtech EF Data. (Shipping charges should be prepaid.)

For more information regarding the warranty policies, see Warranty Policy, p. xiii.

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## ABOUT THIS MANUAL

This manual provides installation and operation information for the Comtech EF Data CiM-25/300L2/3 IP Enabled M&C. This is a technical document intended for earth station engineers, technicians, and operators responsible for the operation and maintenance of the CiM-25/300L2/3 IP Enabled M&C.

## CONVENTIONS AND REFERENCES

### CAUTIONS AND WARNINGS



Indicates information critical for proper equipment function.



Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury. CAUTION may also be used to indicate other unsafe practices or risks of property damage.



Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.

## METRIC CONVERSION

Metric conversion information is located on the inside back cover of this manual. This information is provided to assist the operator in cross-referencing English to Metric conversions.

## TRADEMARKS

All product names mentioned in this manual may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

## REPORTING COMMENTS OR SUGGESTIONS CONCERNING THIS MANUAL

Comments and suggestions regarding the content and design of this manual will be appreciated. To submit comments, please contact the Comtech EF Data Customer Support Department.

## **EMC COMPLIANCE**

This is a Class A product. In a domestic environment, it may cause radio interference that requires the user to take adequate protection measures.

## **EN55022 COMPLIANCE**

This equipment meets the radio disturbance characteristic specifications for information technology equipment as defined in EN55022.

## **EN50082-1 COMPLIANCE**

This equipment meets the electromagnetic compatibility/generic immunity standard as defined in EN50082-1.

## **FEDERAL COMMUNICATIONS COMMISSION (FCC)**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference; in which case, users are required to correct the interference at their own expense.

**Note:** To ensure compliance, properly shielded cables for DATA I/O shall be used. More specifically, these cables shall be shielded from end to end, ensuring a continuous shield.

## SAFETY COMPLIANCE


### EN 60950

Applicable testing is routinely performed as a condition of manufacturing on all units to ensure compliance with safety requirements of EN60950.


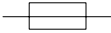
This equipment meets the Safety of Information Technology Equipment specification as defined in EN60950.



### LOW VOLTAGE DIRECTIVE (LVD)

The following information is applicable for the European Low Voltage Directive (EN60950):

|   |   |
|---|---|
| <HAR>   | Type of power cord required for use in the European Community.                            |
|  | CAUTION: Double-pole/Neutral Fusing.<br>ACHTUNG: Zweipolige bzw. Neutralleiter-Sicherung. |

International Symbols:

| Symbol  | Definition           |
|---|----------------------|
|  | Alternating Current. |
|  | Fuse.                |

| Symbol  | Definition        |
|---|-------------------|
|  | Protective Earth. |
|  | Chassis Ground.   |

**Note:** For additional symbols, refer to “Cautions” listed earlier in this preface.



## WARRANTY POLICY

This Comtech EF Data product is warranted against defects in material and workmanship for a period of two years from the date of shipment. During the warranty period, Comtech EF Data will, at its option, repair or replace products that prove to be defective.

For equipment under warranty, the customer is responsible for freight to Comtech EF Data and all related custom, taxes, tariffs, insurance, etc. Comtech EF Data is responsible for the freight charges **only** for return of the equipment from the factory to the customer. Comtech EF Data will return the equipment by the same method (i.e., Air, Express, Surface) as the equipment was sent to Comtech EF Data.

## LIMITATIONS OF WARRANTY

The foregoing warranty shall not apply to defects resulting from improper installation or maintenance, abuse, unauthorized modification, or operation outside of environmental specifications for the product, or, for damages that occur due to improper repackaging of equipment for return to Comtech EF Data.

***No other warranty is expressed or implied. Comtech EF Data specifically disclaims the implied warranties of merchantability and fitness for particular purpose.***

## EXCLUSIVE REMEDIES

The remedies provided herein are the buyer's sole and exclusive remedies. Comtech EF Data shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

## DISCLAIMER

Comtech EF Data has reviewed this manual thoroughly in order that it will be an easy-to-use guide to your equipment. All statements, technical information, and recommendations in this manual and in any guides or related documents are believed reliable, but the accuracy and completeness thereof are not guaranteed or warranted, and they are not intended to be, nor should they be understood to be, representations or warranties concerning the products described. Further, Comtech EF Data reserves the right to make changes in the specifications of the products described in this manual at any time without notice and without obligation to notify any person of such changes.

If you have any questions regarding the equipment or the information in this manual, please contact the Comtech EF Data Customer Support Department.



# Chapter 1. INTRODUCTION

## **CiM-25 IP-Enabled M&C Interface**



## **1.1 INTRODUCTION**

The CiM-25 is a low-cost solution for providing an Internet Protocol (IP) Monitor and Control (M&C) interface for existing Comtech EF Data satellite modems, RF frequency converters and solid-state power amplifiers. The CiM-25 provides a custom proxy interface between the IP world and the equipment's existing serial remote control interface.

The CiM-25 provides powerful equipment management tools via the uses of HTTP protocol, SNMP v2c Protocol, and Telnet Protocol. Wrapped around these industry standard protocols is a system of account access and IP security control features to safeguard equipment from unwanted intrusions. The CiM-25 brings customer support to a new level by providing SMTP Protocol to facilitate automated, direct E-mail to Comtech EF Data's Customer Support Center.

The CiM-25 is packaged in a very compact 4.3" x 1.7" x 0.8". The unit can be powered directly by the attached equipment or via an external AC/DC adapter. The CiM-25 requires less than 1 of watt power.

The CiM-25 uses flash technology providing support for a wide variety of products from a single hardware platform. The CiM-25 either currently or will in the near future support the following Comtech EF Data equipment:

▶ Modems

|            |                    |
|------------|--------------------|
| SDM-300L1* | SDM-300A/SLM-3650* |
| SDM-300L2* | CDM-550T           |
| SDM-300L3  | CDM-600*           |
| SDM-2020M* | SDM-2020D*         |
| SDM-8000*  | SDM-9000*          |

▶ Frequency Converter

|  |
|--|
| UT4500 series 1 kHz and 125 kHz step size Up Converters*   |
| DT4500 series 1 kHz and 125 kHz step size Down Converters* |

\*Requires an external 5 Vdc Power Supply (universal AC input). See section 2.3.1, Powering the CiM-25.

## 1.2 SPECIFICATIONS

| SYSTEM SPECIFICATIONS      |                              |
|----------------------------|------------------------------|
| Ethernet Interface         | 10base T (RJ-45)             |
| Equipment Interface        | DB9 Female on CiM-25F        |
|                            | DB9 Male on CiM-25M          |
| ENVIRONMENTAL AND PHYSICAL |                              |
| Temperature                | Operating: 0 to 50° C        |
|                            | Storage: -25 to 70° C        |
| Power Supply               | 4.75 to 5.25 Vdc             |
| Power Consumption          | 0.9 W typical, 1.5 W maximum |
| Physical Dimensions        | L=110, W=43, H=20 (mm)       |
|                            | L=4.3, W=1.7, H=0.8 (inches) |
| Weight                     | < 1 lbs                      |
| CE Approvals               | EN55022 Class B (Emissions)  |
|                            | EN50082-1 Part 1 (Immunity)  |
|                            | EN60950 (Safety)             |
| FCC Approval               | FCC Part 15 Class B          |

# Chapter 2. INSTALLATION

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| Configuration.....                   | 3 |
| Connecting CiM-25 To Equipment ..... | 4 |

## 2.1 UNPACKING AND INSPECTION

Inspect shipping containers for damage. If shipping containers are damaged, keep them until the contents of the shipment have been carefully inspected and checked for normal operation.

Remove the packing list from the outside of the shipping carton. Open the carton and remove the contents, checking the contents against the packing list. Verify completeness of the shipment and that the unit functions correctly. If damage is evident, contact the carrier and Comtech EF Data immediately and submit a damage report. Keep all shipping materials for the carrier's inspection.

If the unit needs to be returned to Comtech EF Data, please use the original shipping container.

## 2.2 CONFIGURATION

There are no internal jumpers to configure, no interface cards to install, and no other options to install. All configuration is carried out entirely in software. The unit should first be configured locally, using the RJ-45 Ethernet interface. The unit will ship with a default IP address of 10.6.30.1, Gateway 0.0.0.0, and Mask 255.255.0.0. The default Administrator Name and Password are **admin** and **1234** respectively. See the operations section for details regarding configuring and administrating the CiM-25.

## 2.3 CONNECTING CiM-25 TO EQUIPMENT

The CiM-25 is designed to connect directly (no cabling) to supported Comtech EF Data Modems, Frequency Converters, or Solid State Power Amplifiers using the equipment's 9-pin remote control interface port. The CiM-25 interfaces to this equipment via a RS-232 interface at a baud rate of 19200 bps and a data format of 8-N-1. Therefore, it is necessary to first select the RS-232 interface type on the interfacing equipment prior to connecting the CiM-25 to said equipment. Some equipment automatically selects a unit address of **0** when RS232 is chosen while other equipment require the user to configure the unit remote control address to **1**. In addition, on equipment that supports multiple data formats the user must select **8-N-1** format.

### 2.3.1 POWERING THE CiM-25

The CiM-25F can accept power either on pin 4 of the DB9 interface to the equipment or via the power jack located next to the RJ-45 connector. An optional AC/DC adapter can be purchased to provide the CiM-25F power via the power-jack connector.

The CiM-25M accepts power via the power jack located next to the RJ-45 connector. An AC/DC adapter must be purchased to provide power to the CiM-25M.

All CDM-550 and CDM-600 modems shipped from the factory after June 1, 2001 have been modified to supply the 5 Vdc signal on pin 4. All units shipped from the factory prior to this date DO NOT provide the 5 Vdc on pin 4. A field modification kit is available and can be purchased for CDM-550 and CDM-600 modems shipped prior to this date

There is no ON/OFF switch for the CiM-25.

### 2.3.2 CiM-25 CONNECTORS

There are three connectors located on each CiM-25. Each is defined below:

- ▶ RJ-45 - 10base T Ethernet interface.
- ▶ DB9 – RS-232 equipment interface (either male or female)
- ▶ 1.3mm – DC Power Jack

The pinout details for these connectors are provided below.

### RJ-45 Pin Out

| Pin | Function      |
|-----|---------------|
| 1   | Tx+           |
| 2   | Tx-           |
| 3   | Rx+           |
| 4   | No Connection |
| 5   | No Connection |
| 6   | Rx-           |
| 7   | No Connection |
| 8   | No Connection |

### DB(Female (CiM-25F)

| Pin | Function         |
|-----|------------------|
| 1   | Ground           |
| 2   | <b>CiM-25 Rx</b> |
| 3   | <b>CiM-25 Tx</b> |
| 4   | +5 Vdc Input     |
| 5   | Ground           |
| 6   | No Connection    |
| 7   | No Connection    |
| 8   | No Connection    |
| 9   | No Connection    |

### DB9 Male (CiM-25M)

| Pin | Function         |
|-----|------------------|
| 1   | Ground           |
| 2   | <b>CiM-25 Rx</b> |
| 3   | <b>CiM-25 Tx</b> |
| 4   | No Connection    |
| 5   | Ground           |
| 6   | +5 Vdc Input     |
| 7   | No Connection    |
| 8   | No Connection    |
| 9   | No Connection    |

### 1.3mm – DC Power Jack

| Pin              | Function     |
|------------------|--------------|
| Center Conductor | +5 Vdc Input |
| Outer Conductor  | Ground       |

**NOTES**

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# Chapter 3. OPERATION

|                                  |    |
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| Operation Overview.....          | 7  |
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## 3.1 OPERATION OVERVIEW

Each CiM-25 unit is programmed in the factory to provide a custom proxy interface to one of Comtech EF Data's previously defined equipments. This means that a CiM-25 that is loaded to interface a SDM-300L2/SDM-300L3 Modem to the IP world will not operate with any other piece of Comtech EF Data equipment, unless the personality is changed via a flash upload. However every CiM-25, independent of personality, shares a large number of common features. For instance, all CiM-25 units provide the same degree of security features, network protocols, and administration features. The following sections will provide a detailed description of all the features available for a specific CiM-25 (i.e. CiM-25/300L2/3 with SDM-300L2/SDM-300L3 Modem). Those areas that are common to all CiM-25 units will be expounded upon and delineated. The areas that are specific to the individual personality (i.e. equipment parameter control) will only be briefly covered since these are already covered in detail in the individual equipment operator manuals.

## 3.2 ADMINISTRATION AND SECURITY

The CiM-25 has been designed to provide a high degree of administrative flexibility to insure that each customer can configure the device (or network of devices) in a manner that meets his/her security needs. The primary tools provided are the Host Allow List, PING enable/disable, and three (3) level user login. Used as a group, these three tools provide the CiM-25 with a very high degree of security. Each of these tools is described in more detail below:

## 3.2.1 SECURITY TOOLS

### 3.2.1.1 USER LOGIN

For the HTTP interfaces the CiM-25 provides three (3) levels of user login. The Telnet interface, provides the first two (2) of the following levels. The highest level is the **Administrator** login. This level allows 100% complete access to all controllable CiM-25 and equipment parameters. The next level of user login is the **Read/Write** level. This level allows access to all controllable equipment parameters but does not allow access to the administration parameters of the CiM-25 itself. The lowest level of login is the **Read Only** login. As the name implies, this level allows the user to view, but not change, the equipment parameters. Like the **Read/Write** level, this level does not allow access to the administration parameters of the CiM-25.

The Name and Password factory defaults for the three level defined above are:

- ▶ Administrator Level:
  - ▶ Name: **admin**
  - ▶ Password: **1234**
- ▶ Read/Write Level:
  - ▶ Name: **opcenter**
  - ▶ Password: **1234**
- ▶ Read Only Level:
  - ▶ Name: **monitor**
  - ▶ Password: **1234**

The SNMP interface uses all three (3) levels of user login utilizing the SNMP v2c (community string) method of security. The community string is the concatenation of the name and password, i.e. **admin1234**, default admin community string.



The SNMP interface uses all three (3) levels of user login utilizing the SNMP v2c (community string) method of security. The community string is the concatenation of the name and password, i.e. **admin1234**, default admin community string.

### 3.2.1.2 HOST ALLOW LIST

The CiM-25 provides a high degree of security by allowing the Administrator to define a list of IP addresses to which the CiM-25 will accept/respond to IP datagrams. The Administrator can select up to six (6) individual allowable IP addresses or up to three (3) allowable IP address ranges or any combination of individual and ranges that can be defined by six fields (see HTTP interface below for further details). The host allow list is applied to all three CiM-25 interfaces (HTTP, SNMP, and Telnet).

### 3.2.1.3 PING ENABLE/DISABLE

The final piece to the CiM-25 security design is the PING Enable/Disable feature. This feature allows the Administrator to disable PING on an individual CiM-25. This in effect conceals the CiM-25 from most hackers.

## 3.2.2 NETWORK ADMINISTRATION

In addition to the three items described above under Security, the CiM-25 provides the following network administration facilities:

- ▶ Configure IP Address, IP Gateway, and IP Mask.
- ▶ Select Primary and Secondary DNS server IP addresses.
- ▶ Select SMTP domain Name and IP address.
- ▶ Select SNMP Trap IP address and Trap Community string.

## 3.3 HTTP INTERFACE

This section of this document will explain the HTTP (Web Server) interface provided by the CiM-25/300L2/3.

### 3.3.1 LOCAL LAN CONFIGURATION

The web page interface is best viewed at **1152 x 864** resolution using Internet Explorer 5.5 or higher and a 17" or larger monitor.

#### 3.3.1.1 HTTP 1.1

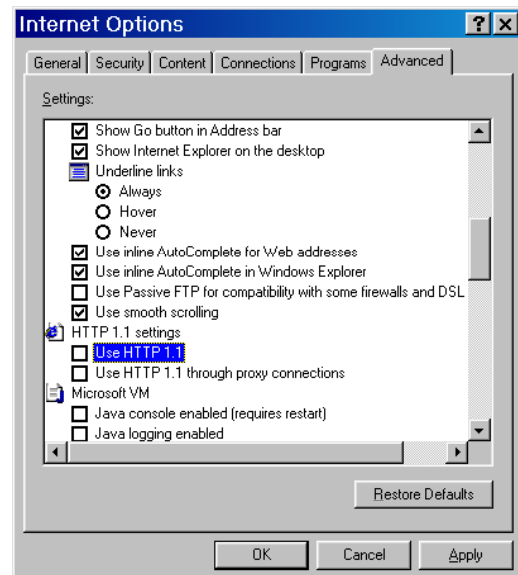


IMPORTANT

For best performance, HTTP 1.1 should be disabled. It can be changed as follows:

- | Step | Procedure  |
|------|--|
| 1.   | Click <b>Start</b> , <b>Settings</b> , then <b>Control Panel</b> .       |
| 2.   | Double-click the <b>Internet Options</b> icon in the Control Panel.      |
| 3.   | Under the <b>Advanced</b> tab, scroll down to <b>HTTP 1.1 settings</b> . |
| 4.   | Uncheck the <b>Use HTTP 1.1</b> box and click <b>OK</b> .                |

#### Example



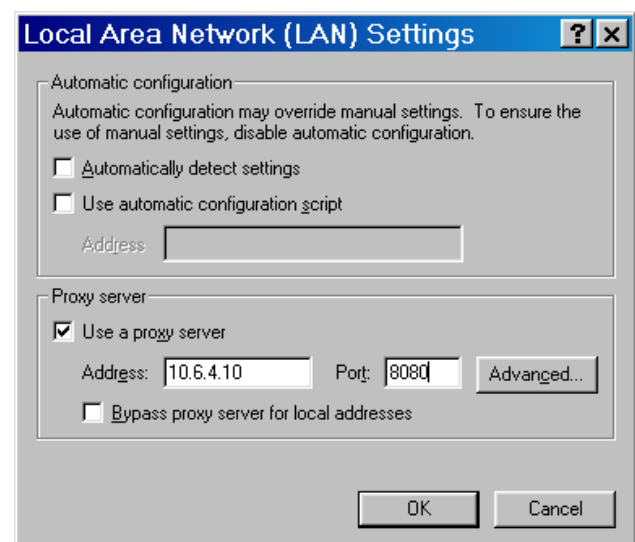
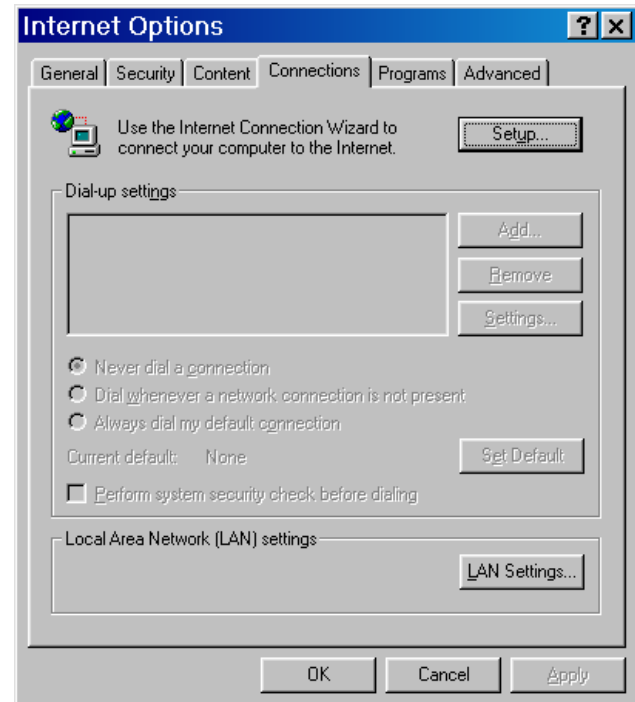
### 3.3.1.2 PROXY SERVER



If your network uses a proxy server, it may be necessary to disable the use of it for the browser to work. It can be changed as follows:

- | Step | Procedure  |
|------|--|
| 1.   | Click <b>Start, Settings</b> , then <b>Control Panel</b> .   |
| 2.   | Double-click the <b>Internet Options</b> icon in the Control Panel.  |
| 3.   | Under the <b>Connections</b> tab, click the <b>LAN Settings</b> button.  |
| 4.   | At this point you must do one of the following:<br>a. Uncheck the <b>Use a proxy server</b> box and click <b>OK</b> .<br><i>or</i><br>b. Click the <b>Advanced</b> button and go to the next step. |

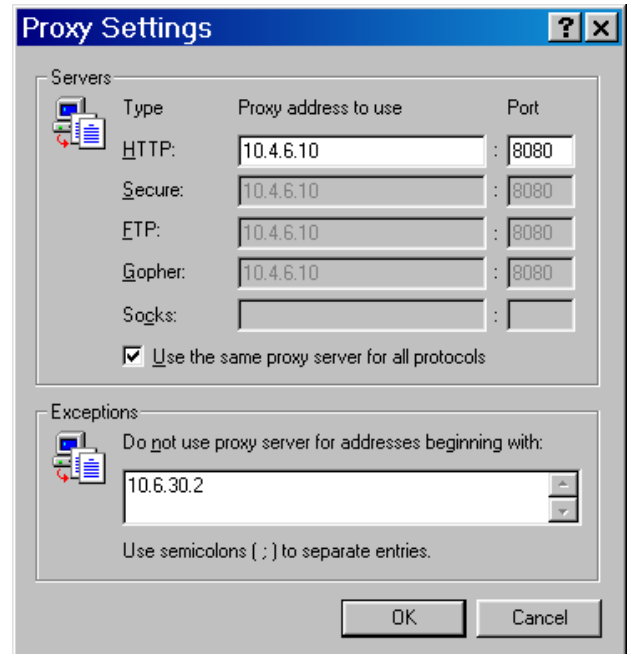
#### Example



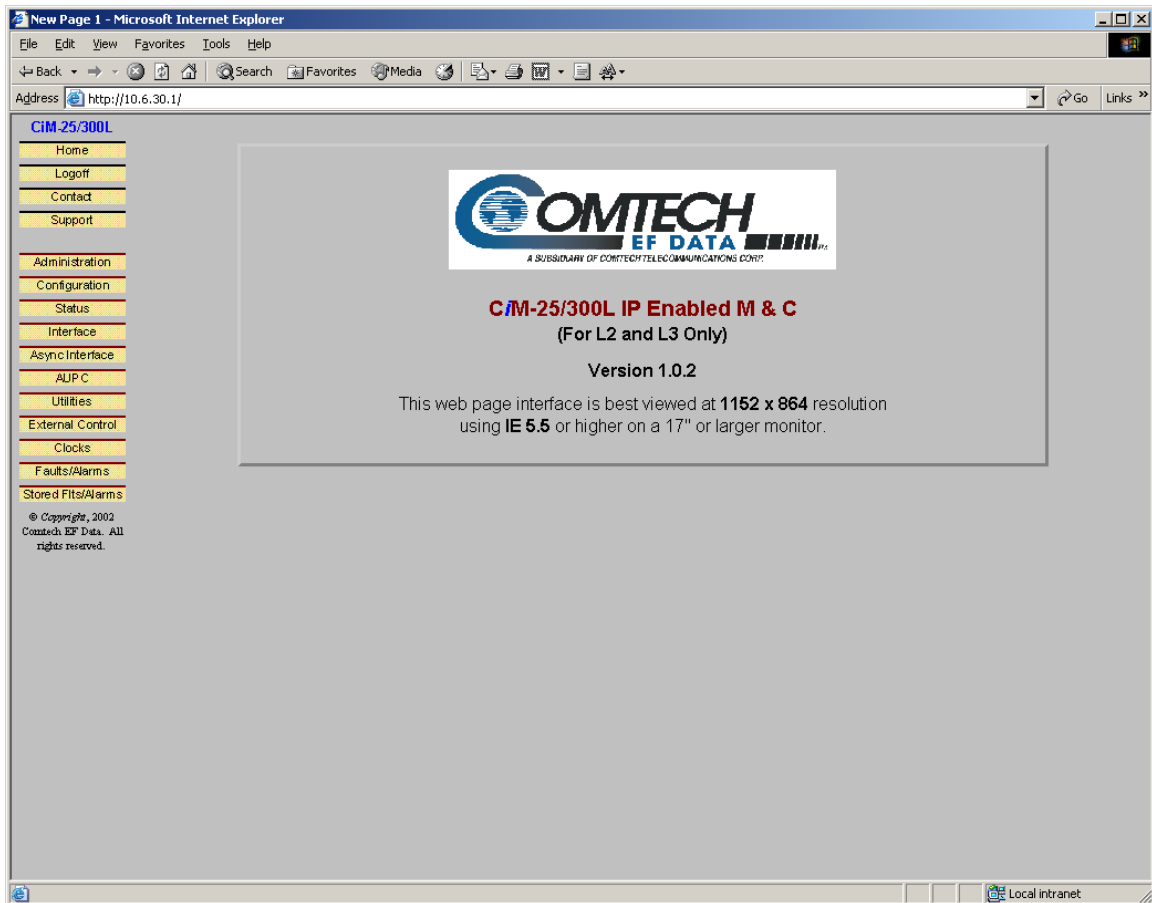
**Step Procedure**

5. In the **Exceptions** box, enter the IP address of the CiM module and click **OK**.

**Example**

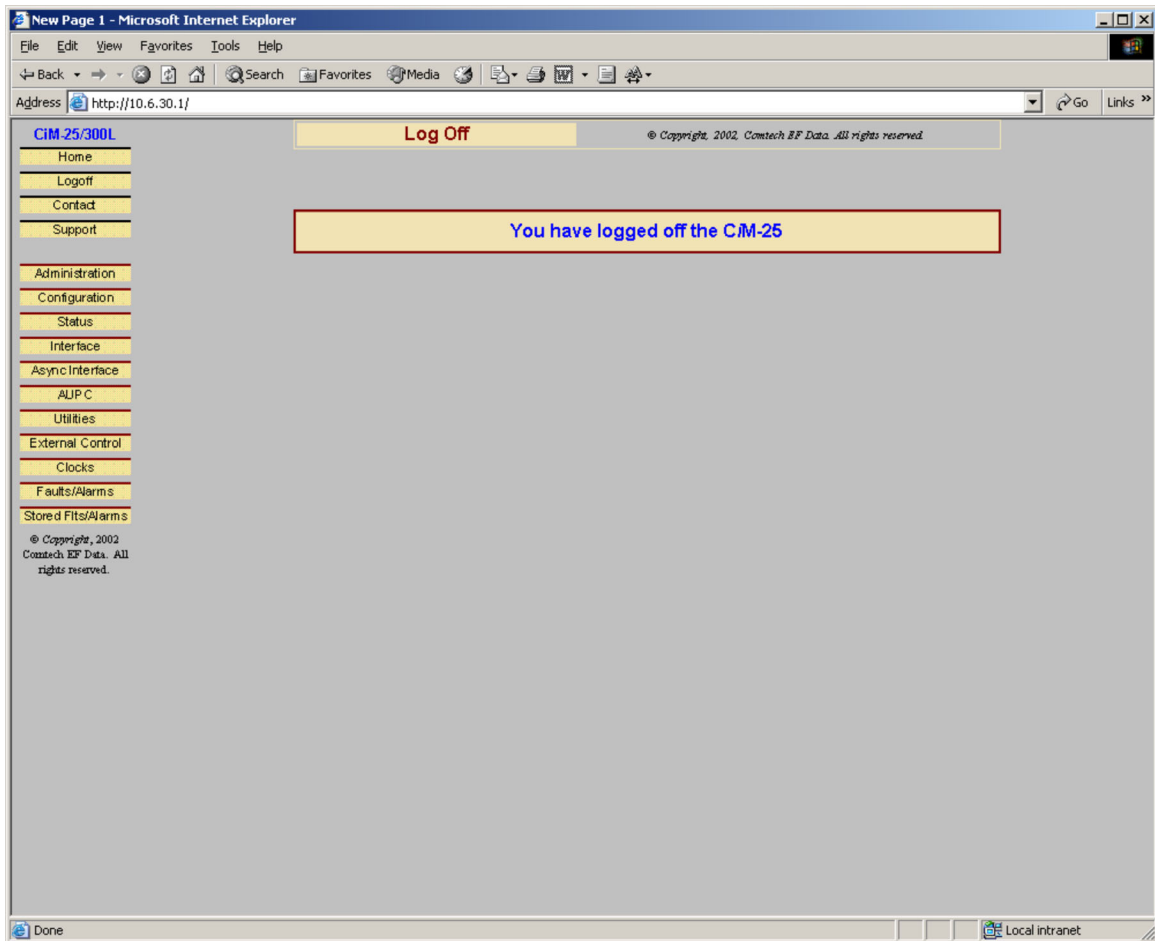


### 3.3.2 HOME PAGE



Welcome to the CiM-25/300L2/3 Web Interface. The following sections will give you a brief introduction to each web page available.

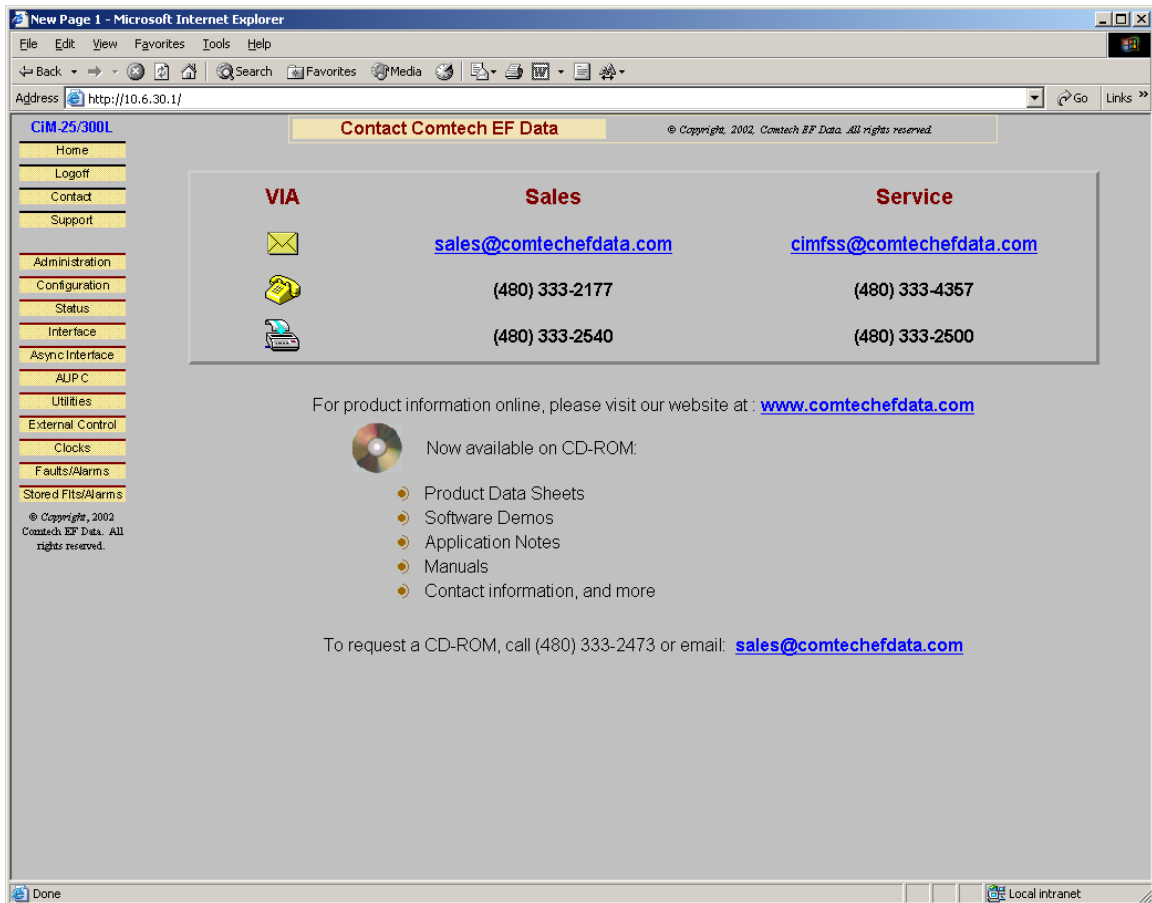
### 3.3.3 LOGOFF PAGE



The CiM-25 allows multiple connections to the Web Interface. The Web Interface and Telnet Interface cannot be used at the same time. You must logoff the Web Interface in order to log into the Telnet Interface and vice versa.



### 3.3.4 CONTACT INFORMATION PAGE



This page provides basic contact information to reach ComTech EF Data Sales and Customer Service via phone or automated e-mail links.

### 3.3.5 SUPPORT PAGE (COMMON)



In order to use the Support functions, the user must first assign SMTP a domain name and IP address. Refer to 3.3.6.8, SMTP Domain Name and IP Address.

The Support page is accessible by ALL logged in users. This page allows the user to automatically E-mail Comtech EF Data's Customer Support center. The user **MUST** fill in the **Name**, **Company**, **E-mail Address**, and **Telephone** information boxes. In addition, the user must enter some description of the problem or question into the **Problem Report** field. The CiM-25 will automatically retrieve and attach pertinent information about the equipment (such as Equipment ID, Serial Number, Configuration, and Status) to the E-mail message. This will allow Comtech EF Data Customer Support personal to provide faster and more accurate responses to customer needs.

### 3.3.6 ADMINISTRATION PAGE (COMMON)

**Administration** © Copyright, 2002, Comtech EF Data. All rights reserved.

**System Account Information**

Administrator Name:  Administrator Password:

Read/Write:  Read/Write Password:

Read Only:  Read Only Password:

SMTP Domain IP Address:  SMTP Domain Name:

**Host Allow List - Enter IP Address of Authorized Host**

| IP   | IP Range   | Yes                              | No                               |
|--|--|----------------------------------|----------------------------------|
| IP 1: <input type="text" value="000.000.000.000"/> | IP 2: <input type="text" value="255.255.255.255"/> | <input checked="" type="radio"/> | <input type="radio"/>            |
| IP 3: <input type="text" value="000.000.000.000"/> | IP 4: <input type="text" value="000.000.000.000"/> | <input type="radio"/>            | <input checked="" type="radio"/> |
| IP 5: <input type="text" value="000.000.000.000"/> | IP 6: <input type="text" value="000.000.000.000"/> | <input type="radio"/>            | <input checked="" type="radio"/> |

**Network Maintenance**

Ping:  Enabled  Disabled

MAC Address:  DNS 1:

IP Address:  DNS 2:

IP Gateway:  Trap IP:

IP Mask:  Trap Community:

The Administration Page is only available to users who have logged in using the Administrator Name and Password.

#### 3.3.6.1 ADMINISTRATOR NAME AND PASSWORD

The factory defaults for these parameters are **admin** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

### 3.3.6.2 READ/WRITE NAME AND PASSWORD

The factory defaults for these parameters are **opcenter** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

### 3.3.6.3 READ ONLY NAME AND PASSWORD

The factory defaults for these parameters are **monitor** and **1234** respectively. The Name field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters. The Password field can be any alpha-numeric combination with a minimum length of 4 characters and a maximum length of 10 characters.

### 3.3.6.4 HOST ALLOW LIST

The Host Allow List can be configured as any of the following combinations:

- ▶ 1 to 6 individual IP addresses.
- ▶ 1 to 3 ranges of IP addresses.
- ▶ A combination of individual and range addresses.

The Administrator simply checks the **Range Yes** radio button next to the group of two IP addresses that constitute the beginning and ending of the range.

### 3.3.6.5 PING ENABLE / DISABLE

The factory defaults for this parameter is **Enabled**. The radio buttons allow the Administrator to choose between **Enabled** and **Disabled**.

### 3.3.6.6 CIM-25 IP ADDRESS, GATEWAY AND MASK

The factory defaults for these parameters are **10.6.30.1**, **0.0.0.0**, and **255.255.0.0** respectively. The Administrator can change these as required.

### 3.3.6.7 DNS SERVERS

The Administrator can assign both a primary and secondary DNS server IP address.

### 3.3.6.8 SMTP DOMAIN NAME AND IP ADDRESS

The Administrator can assign the SMTP Domain Name and Domain IP Address. This is required if the E-mail feature of the Support Page is to be used.

### 3.3.6.9 SNMP TRAP IP ADDRESS

The Administrator can assign a SNMP Trap IP address.

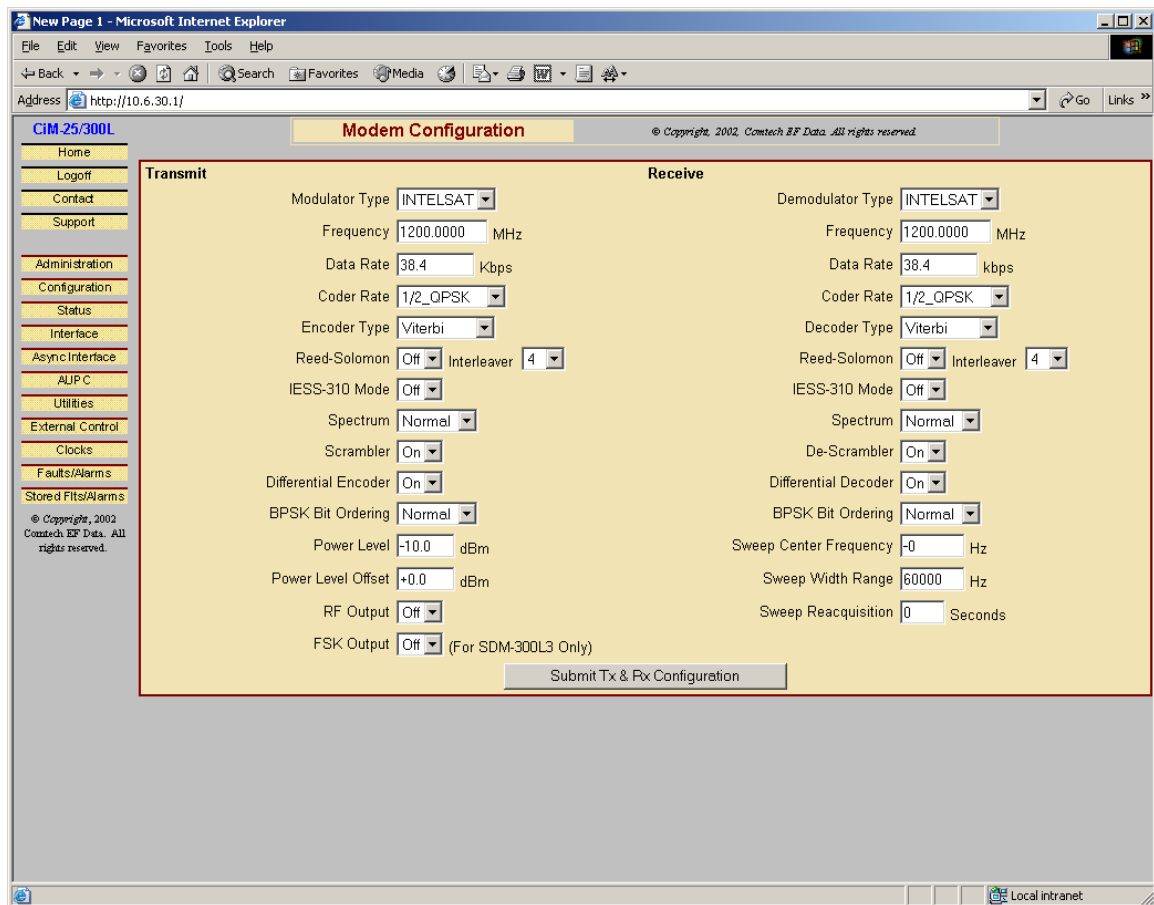
### 3.3.6.10 SNMP TRAP COMMUNITY

The factory default for this parameter is public. The Administrator can assign a SNMP Trap Community. The SNMP Trap Community field can be any combination of characters and a length of 0 - 20 characters.

### 3.3.6.11 MAC ADDRESS

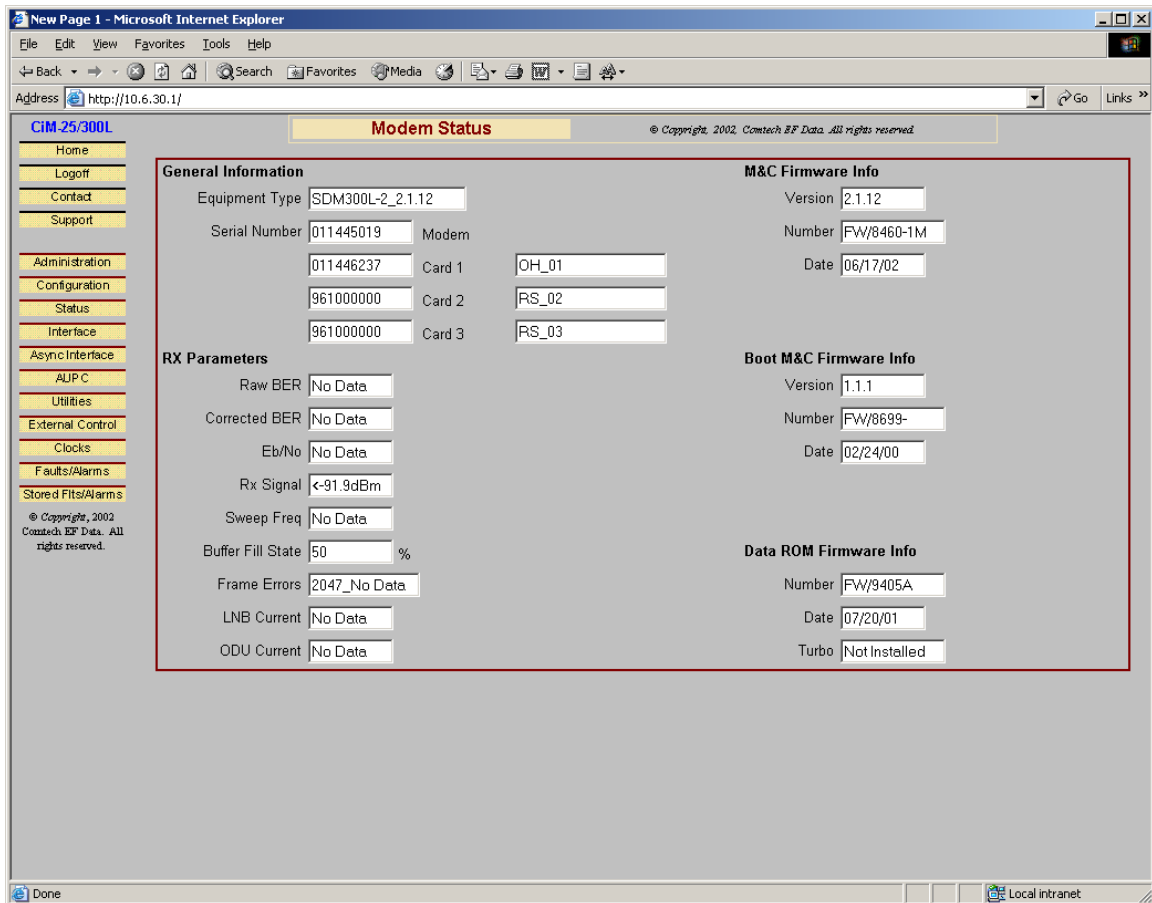
This is a READ ONLY parameter and can not be changed.

### 3.3.7 MODEM CONFIGURATION PAGE (Rx/Tx)



This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the primary Transmit and Receive Parameters of a SDM-300L2 & 3 Modem.

### 3.3.8 STATUS PAGE



This page can be viewed by all three levels of user login. This is a Read Only Page and has no submit button. This page provides various status information for a SDM-300L2 & 3 Modem.

### 3.3.9 INTERFACE PARAMETERS PAGE (Tx/Rx)

The screenshot shows a web browser window displaying the 'Modem Interface' configuration page. The page is titled 'Modem Interface' and includes a copyright notice: '© Copyright, 2002, Comtech EF Data. All rights reserved.' The page is divided into two main sections: 'Tx Interface' and 'Rx Interface'. Each section contains several dropdown menus for configuration parameters and a 'Submit' button. Below the configuration sections are two grid-like input fields for Channel/Time assignments (1-24).

**Tx Interface Configuration:**

- Tx Overhead Type: NONE
- Tx Driver Type: G.703
- Tx Coding Format: AMI
- Tx Data Fault: NONE
- Tx IDR ESC Type: AUDIO
- Tx IBS ESC Type: AUDIO
- Drop Data Format: T1
- Drop Channel/Time Slot Assignment: 1:1 (CC,TT)

**Rx Interface Configuration:**

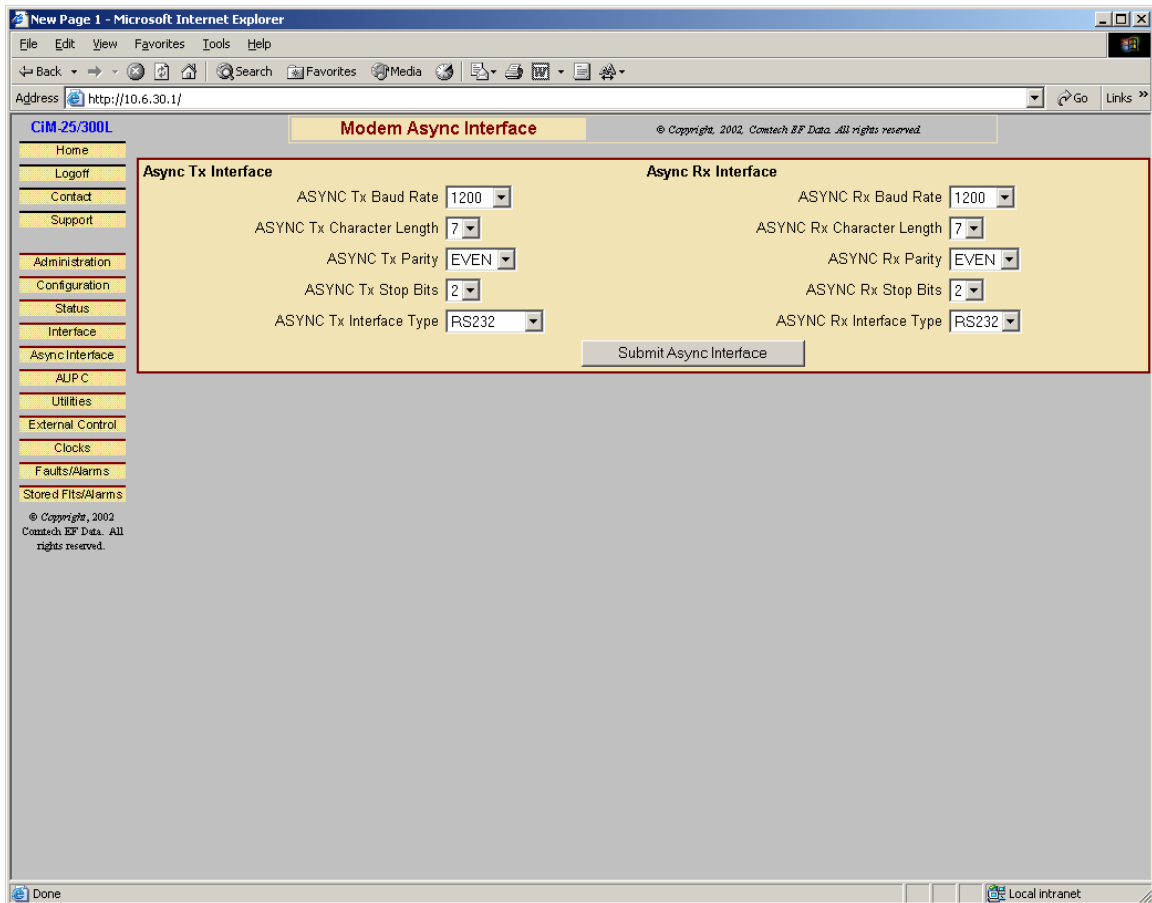
- Rx Overhead Type: NONE
- Rx Driver Type: G.703
- Rx Coding Format: AMI
- Rx Data Fault: NONE
- E1 Insert CRC Enable: ON
- Rx IDR ESC Type: AUDIO
- Rx IBS ESC Type: AUDIO
- Rx T1 Framing Structure: G.704
- Rx E1 Framing Structure: G.704
- Insert Data Format: T1
- Insert Channel/Time Slot/Assignment: 1:1 (CC,TT)

The browser window shows the URL 'http://10.6.30.1/' and the page title 'New Page 1 - Microsoft Internet Explorer'. The status bar at the bottom indicates 'Done' and 'Local intranet'.

This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the Transmit and Receive Interface Parameters of a SDM-300L2 & 3 Modem.

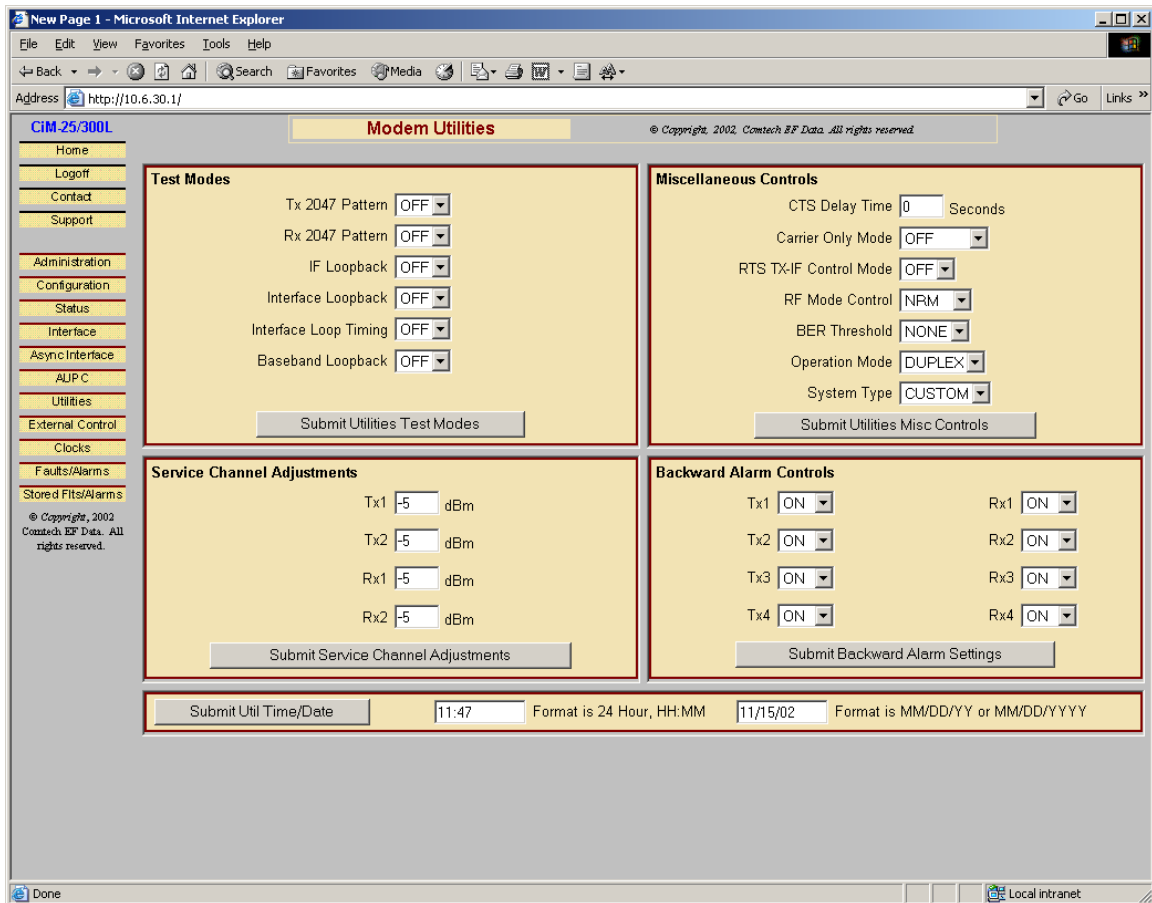


### 3.3.10 ASYNCHRONOUS INTERFACE PAGE



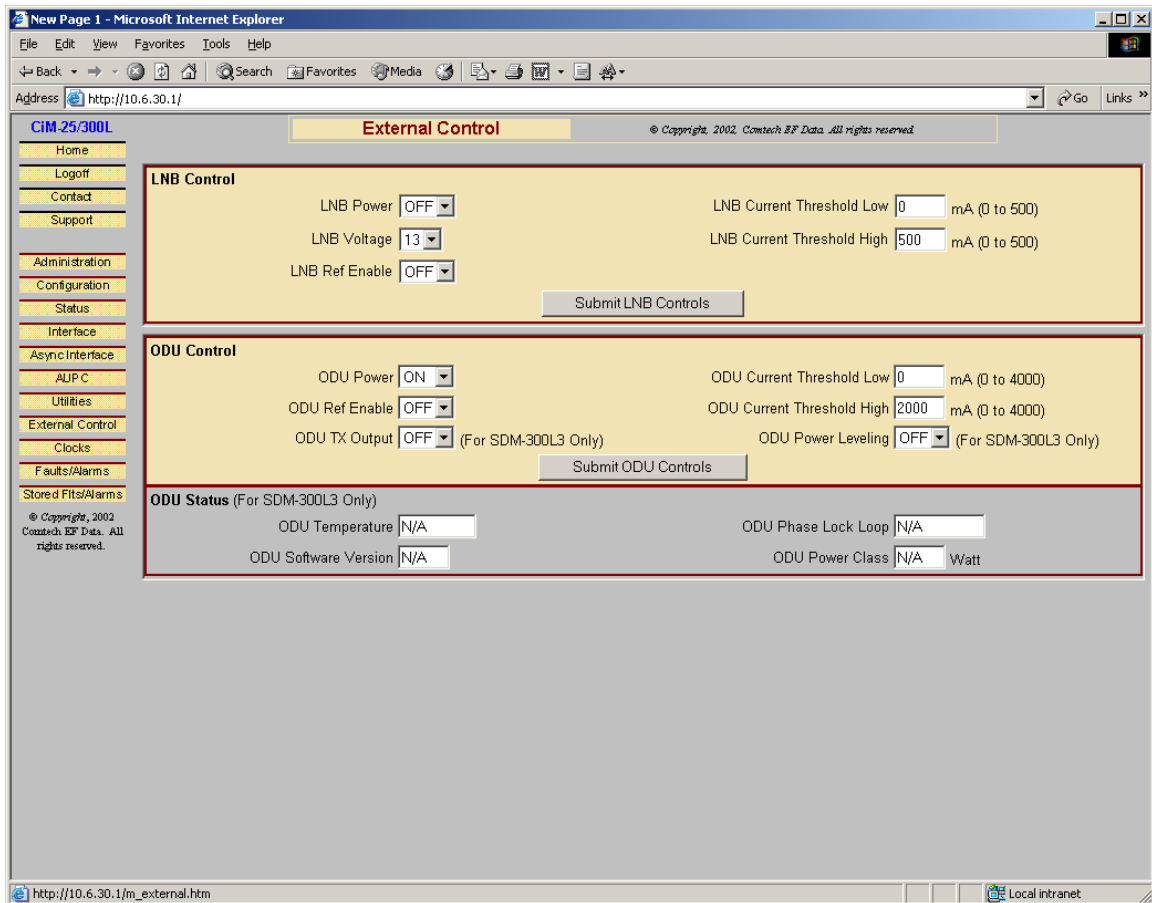
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure the Asynchronous Interface Parameters of a SDM-300L2 & 3 Modem.

### 3.3.11 UTILITIES PAGE



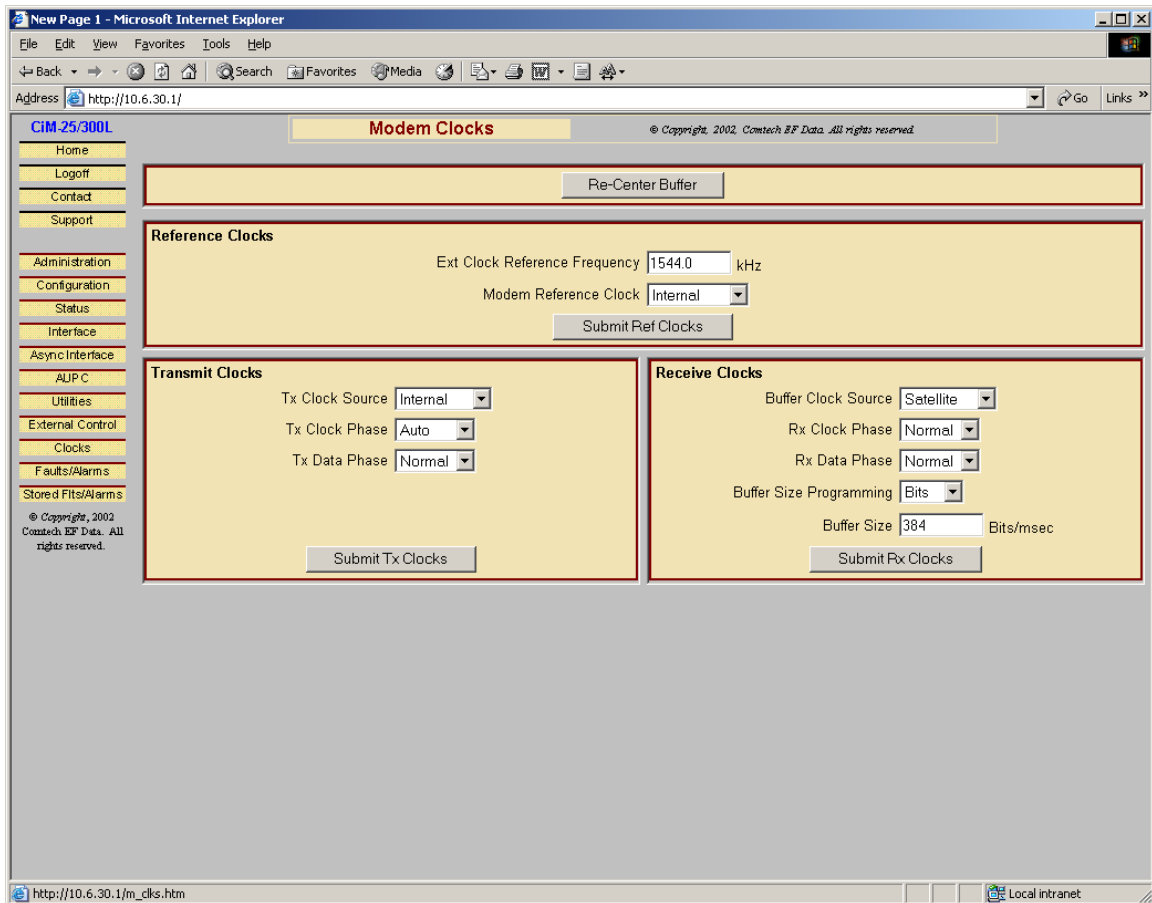
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure various utility functions on a SDM-300L2 & 3 Modem.

### 3.3.12 EXTERNAL CONTROL PAGE



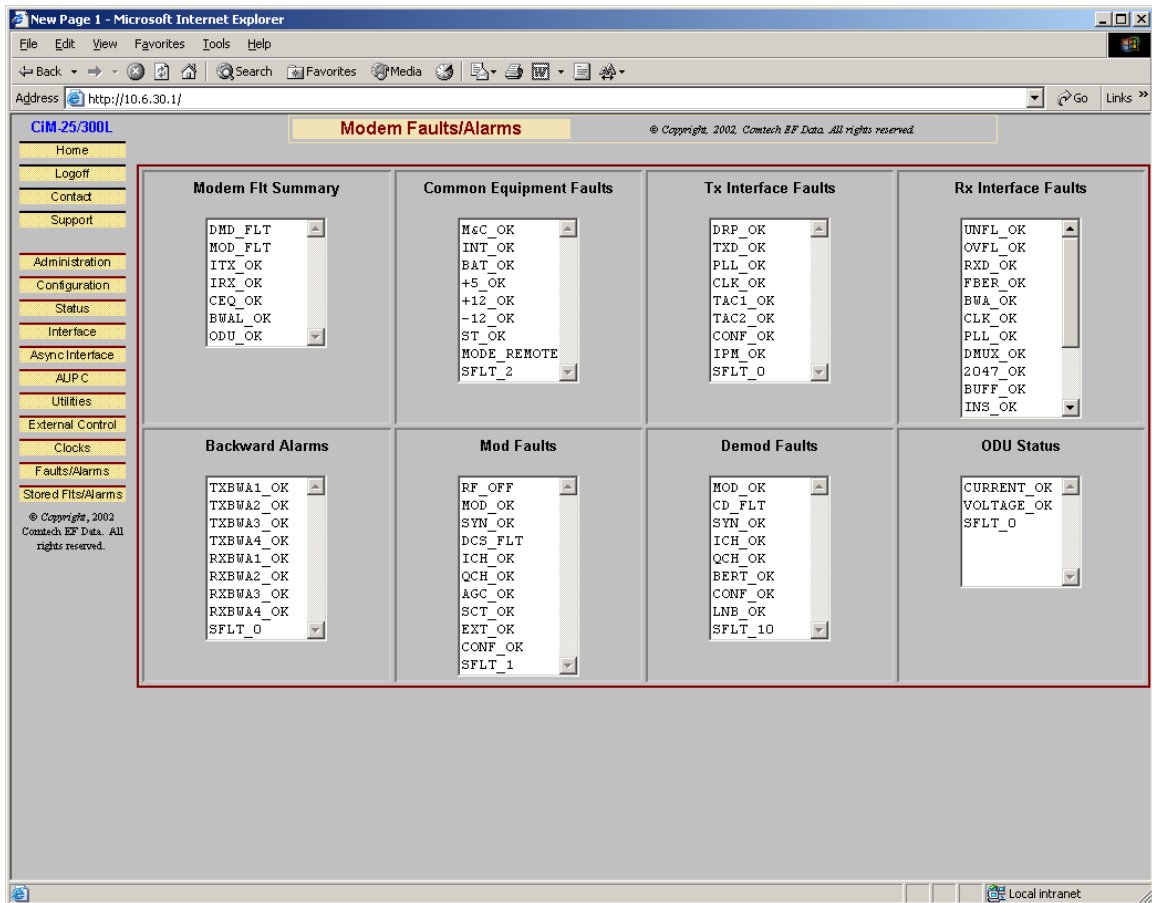
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure LNB and ODU parameters for a SDM-300L2 & 3 Modem.

### 3.3.13 CLOCKS PAGE



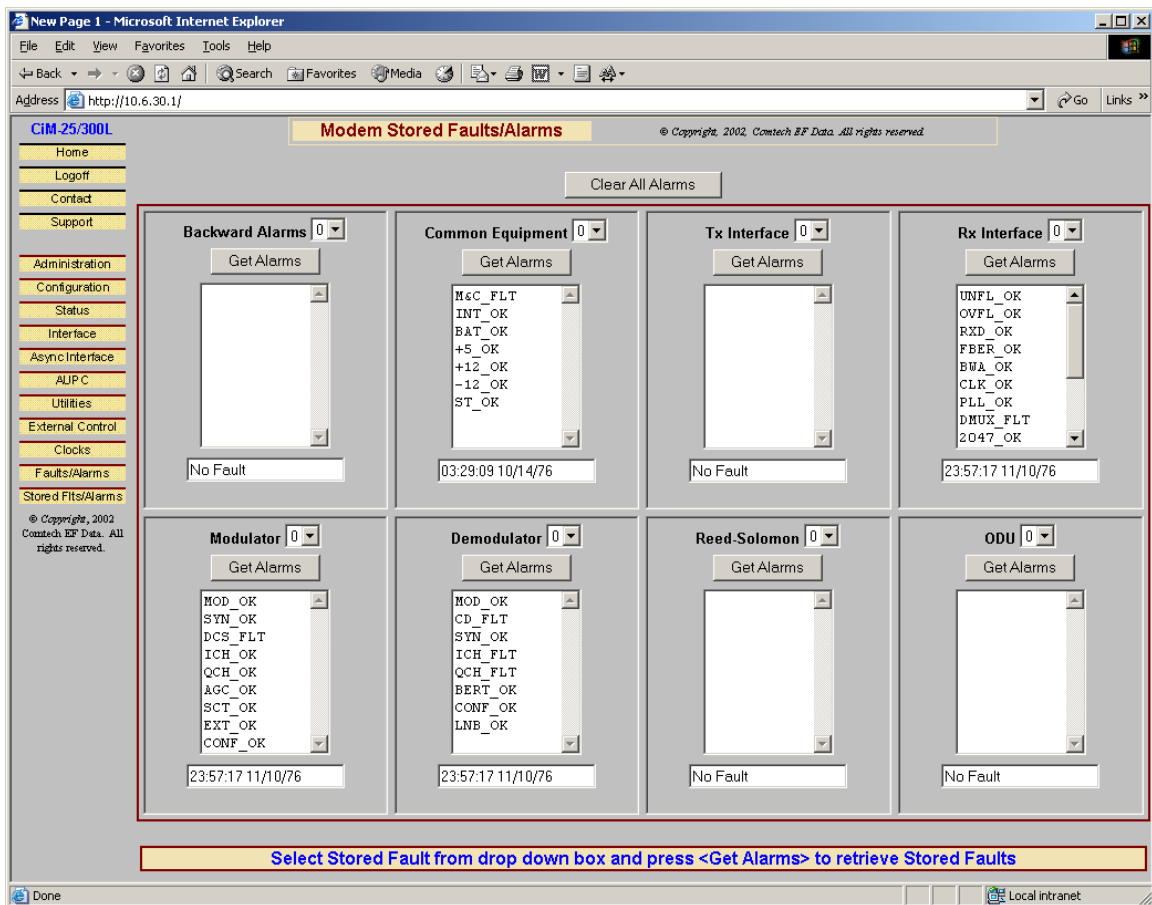
This page can be viewed by all three levels of user login. However, only user with Administrative or Read/Write privileges can submit changes to this page. This page allows the user to configure various clock functions of the SDM-300L2 & 3 Modem.

### 3.3.14 FAULTS/ALARMS PAGE



This page can be viewed by all three levels of user login. This is a read-only page. This page allows the user to view current Faults and Alarms of the SDM-300L2 & 3 modem.

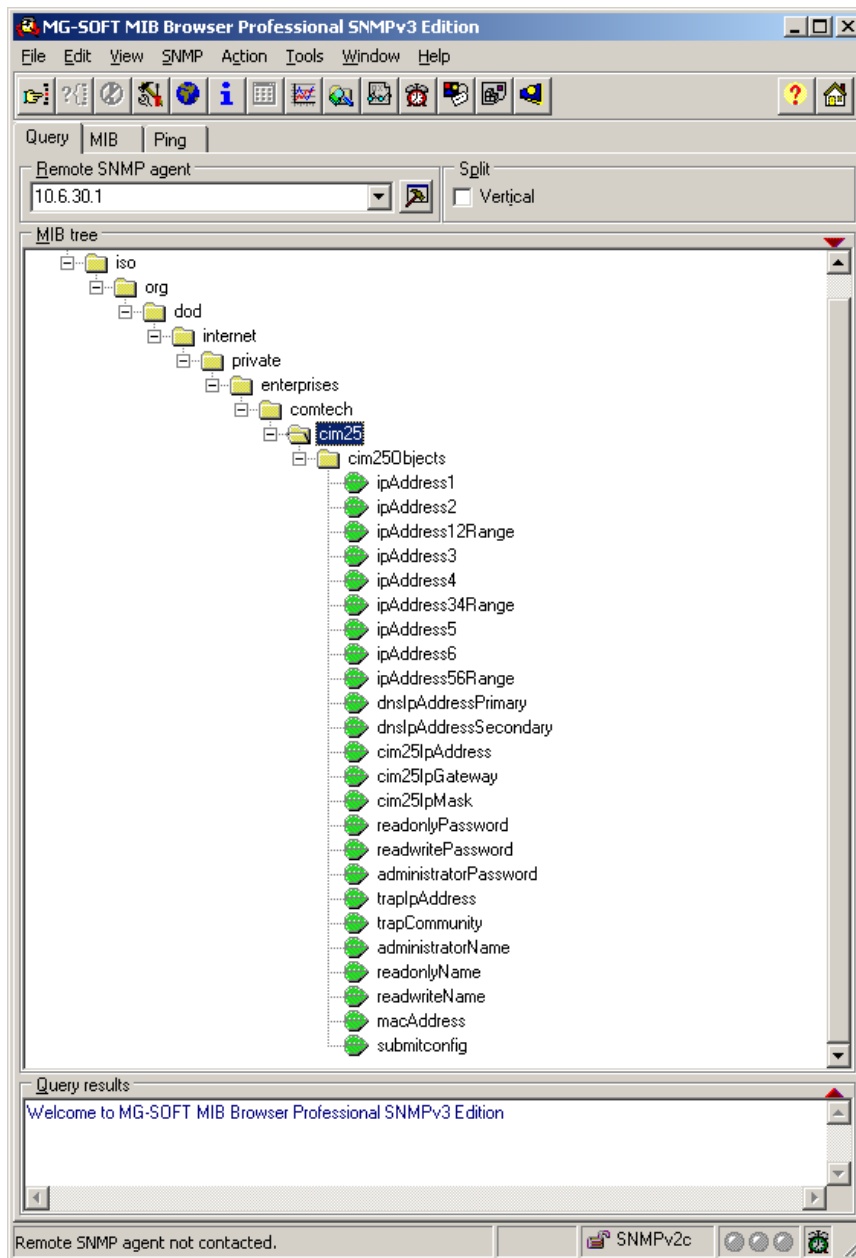
### 3.3.15 STORED FAULTS/ALARMS PAGE



This page can be viewed by all three levels of user login. This is a read/write page. This page allows the user to view various Stored Faults and Alarms of the SDM-300L2 & 3 Modem. Select the desired Stored Alarm and click the **Get Alarm** button to retrieve it.

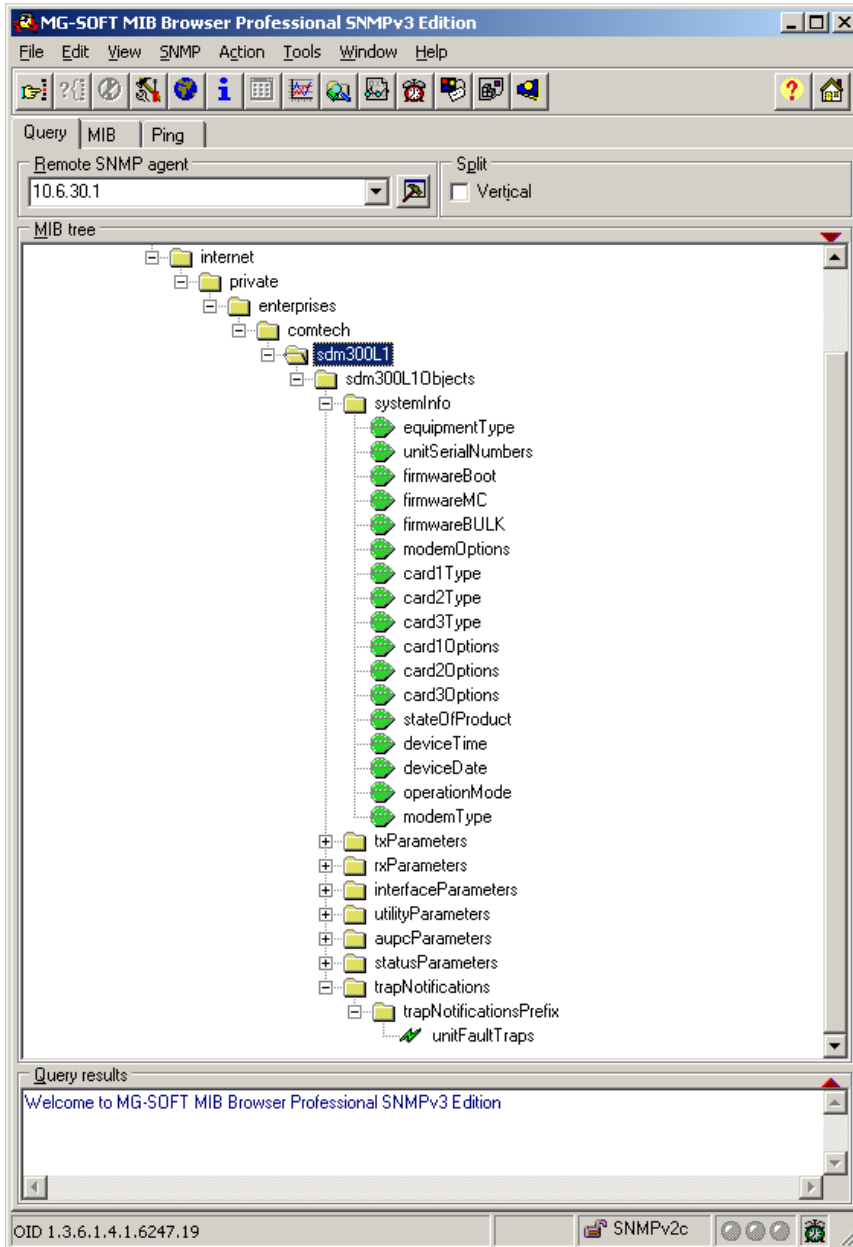
### 3.4 SNMP INTERFACE

The CiM-25 supports v2c version of the industry standard SNMP (Simple Network Management Protocol). The CiM-25 supports a complete private MIB for the attached equipment as well as a private MIB for the CiM-25 itself. The SNMP interface supports standard **Get** and **Set** as well as **Branch Walking**.



The image above is a screen dump of the CiM-25 MIB structure using a common MIB Browser. The important point here is that all administrative parameters of the CiM-25 are available in its private MIB.

The image below is a screen dump of the SDM-300L2 & 3 MIB using a common MIB Browser. The important point here is that all SDM-300L2 & 3 Controllable Parameters and Status Parameters are available in its private SDM-300L2 & 3 MIB.



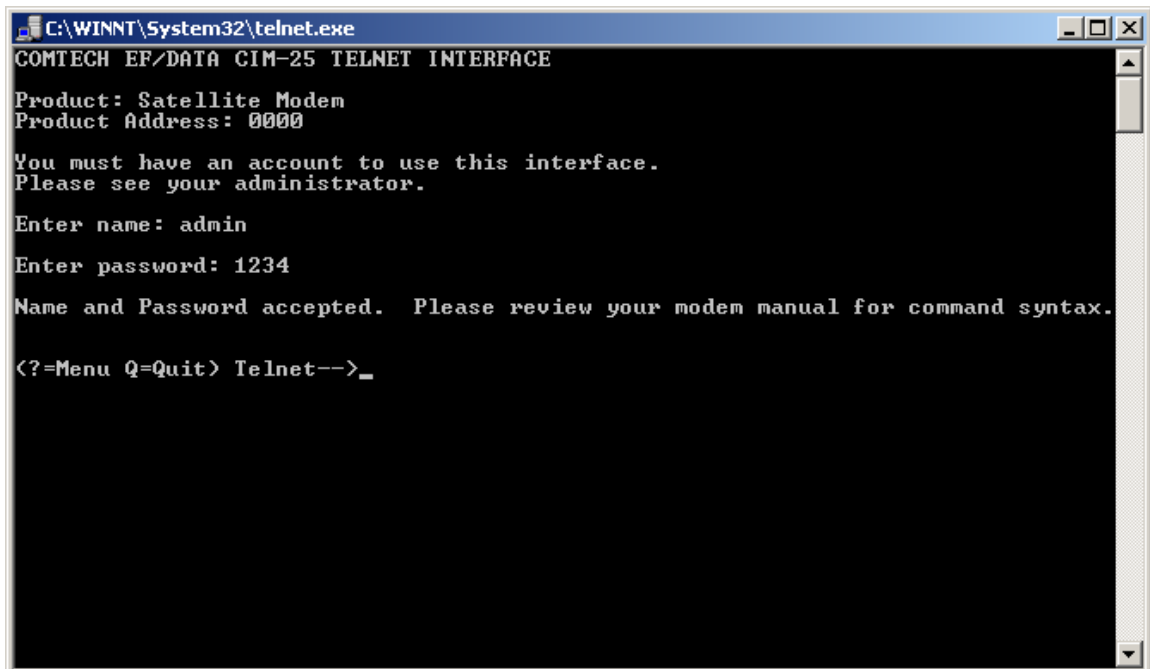


## 3.5 TELNET INTERFACE

The CiM-25 provides a Telnet interface for three primary functions:

- ▶ System Administration.
- ▶ Equipment M&C via the standard equipment Remote Control protocol.
- ▶ Equipment M&C via Comtech EF Data PC based Monitor and Control applications.

The Telnet interface uses two (2) levels of user login, **Administrator** and **Read/Write**. The screen dump below shows the login process.



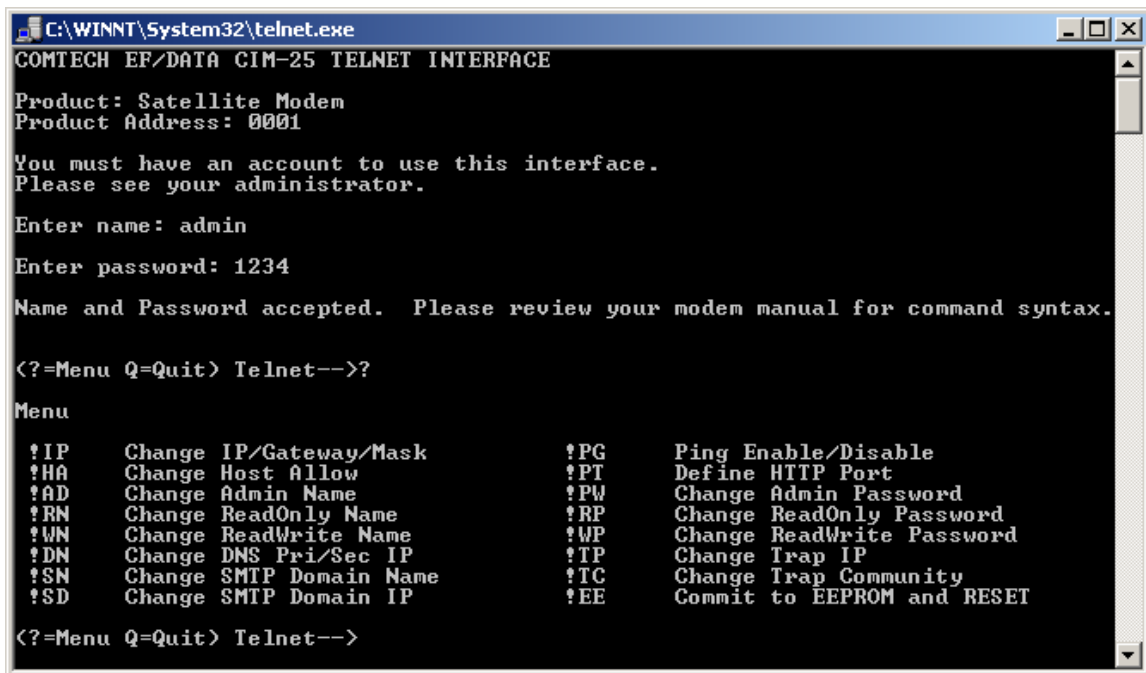
```
C:\WINNT\System32\telnet.exe
COMTECH EF/DATA CIM-25 TELNET INTERFACE
Product: Satellite Modem
Product Address: 0000

You must have an account to use this interface.
Please see your administrator.

Enter name: admin
Enter password: 1234
Name and Password accepted. Please review your modem manual for command syntax.

<?=Menu Q=Quit> Telnet-->_
```

Once logged into the CiM-25 Telnet interface as the Administrator the user can use the built in menu function by typing a ? (question mark). This menu is only available to the Administrator. The screen dump below shows the functions available via this menu system. Entering any command without any data parameters will cause the CiM-25 to respond with a message that provides the proper formatting requirements for the individual command. Entering any command with a ? (question mark) as the parameter will cause the CiM-25 to respond with the current **Set** value. Each command will be explained in the following section.



```
C:\WINNT\System32\telnet.exe
COMTECH EP/DATA CIM-25 TELNET INTERFACE
Product: Satellite Modem
Product Address: 0001
You must have an account to use this interface.
Please see your administrator.
Enter name: admin
Enter password: 1234
Name and Password accepted. Please review your modem manual for command syntax.
<?=Menu Q=Quit> Telnet-->?
Menu
!IP Change IP/Gateway/Mask          !PG Ping Enable/Disable
!HA Change Host Allow              !PT Define HTTP Port
!AD Change Admin Name              !PW Change Admin Password
!RN Change ReadOnly Name           !RP Change ReadOnly Password
!WN Change ReadWrite Name          !WP Change ReadWrite Password
!DN Change DNS Pri/Sec IP          !TP Change Trap IP
!SN Change SMTP Domain Name        !TC Change Trap Community
!SD Change SMTP Domain IP          !EE Commit to EEPROM and RESET
<?=Menu Q=Quit> Telnet-->
```

### 3.5.1 TELNET ADMINISTRATIVE FUNCTIONS

#### 3.5.1.1 CHANGE IP ADDRESS, GATEWAY AND MASK

Using the **!IP** command, the Administrator can change the IP Address, IP Gateway, and IP Mask. The command protocol for this command is as follows:

Format: **!IP <ip> <gateway> <mask>**

Example: **!IP 10.6.30.2 10.6.30.255 255.255.0.0**

Query Format: **!IP ?**

Response: **!IP 10.6.30.2 10.6.30.255 255.255.0.0**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.2 CHANGE HOST ALLOW LIST

Using the **!HA** command, the Administrator can modify the Host Allow List. The command protocol for this command is as follows:

Format: **!HA <address index> <ip\_address> <ranged>**  
Where: address index is 1 to 6, ranged is 0 if No and 1 if yes

Example: **!HA 5 10.50.91.200 0**  
This sets IP address #5 to 10.50.91.200 and indicates addresses #5 & #6 are NOT ranged.

Query Format: **!HA ?**  
Response: **IP 1: 000.000.000.000 IP 2: 255.255.255.255 Range = yes**  
**IP 3: 000.000.000.000 IP 4: 000.000.000.000 Range = no**  
**IP 5: 000.000.000.000 IP 6: 000.000.000.000 Range = no**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.3 CHANGE ADMINISTRATOR NAME

Using the **!AD** command, the Administrator can change the Administrator login Name. The command protocol for this command is as follows:

Format: **!AD <string>**  
Where: <string> can be any alphanumeric string of length 4 to 10 characters

Query Format: **!AD ?**  
Response: **!AD <string>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.4 CHANGE ADMINISTRATOR PASSWORD

Using the **!PW** command, the Administrator can change the Administrator login Password. The command protocol for this command is as follows:

Format: **!PW <string>**  
Where: <string> can be any alphanumeric string of length 4 to 10 characters

Query Format: **!PW ?**  
Response: **!PW <string>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.5 CHANGE READ/WRITE NAME

Using the **!WN** command, the Administrator can change the Read/Write login Name. The command protocol for this command is as follows:

Format:           **!WN <string>**  
Where:           <string> can be any alphanumeric string of length 4 to 10 characters

Query Format:   **!WN ?**  
Response:       **!WN <string>**

**Note:**       Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.6 CHANGE READ/WRITE PASSWORD

Using the **!WP** command, the Administrator can change the Read/Write login Password. The command protocol for this command is as follows:

Format:           **!WP <string>**  
Where:           <string> can be any alphanumeric string of length 4 to 10 characters

Query Format:   **!WP ?**  
Response:       **!WP <string>**

**Note:**       Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.7 CHANGE READ ONLY NAME

Using the **!RN** command, the Administrator can change the Read Only login Name. The command protocol for this command is as follows:

Format:           **!RN <string>**  
Where:           <string> can be any alphanumeric string of length 4 to 10 characters

Query Format:   **!RN ?**  
Response:       **!RN <string>**

**Note:**       Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.8 CHANGE READ ONLY PASSWORD

Using the **!RP** command, the Administrator can change the Read/Only login Password. The command protocol for this command is as follows:

Format: **!RP <string>**  
Where: **<string>** can be any alphanumeric string of length 4 to 10 characters

Query Format: **!RP ?**  
Response: **!RP <string>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.9 ENABLE OR DISABLE PING

Using the **!PG** command, the Administrator can either enable or disable PING. The command protocol for this command is as follows:

Format: **!PG <state>**  
Where: **0 = Disabled, 1 = Enabled**

Query Format: **!PG ?**  
Response: **!PG <state>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.10 COMMIT CHANGES TO EEPROM

Using the **!EE** command, the Administrator can commit any previously commanded changes to EEPROM. This will store the new operating parameters and automatically do a warm reboot of the CiM-25/300L2/3. The command protocol for this command is as follows:

Format: **!EE**

### 3.5.1.11 CHANGE PRIMARY/SECONDARY DNS IP ADDRESSES

Using the **!DN** command, the Administrator can set the primary and secondary DNS IP Addresses. The command protocol for this command is as follows:

Format:           **!DN <primary DNS IP Address> <secondary DNS IP Address>**  
Response:        **Command Successful**

Query Format:     **!DN ?**  
Response:        **!DN <primary DNS IP Address> <secondary DNS IP Address>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.12 CHANGE SMTP DOMAIN NAME

Using the **!SN** command, the Administrator can set the SMTP domain name. The command protocol for this command is as follows:

Format:           **!SN <string>**  
Response:        **Command Successful**  
Where:            <string> can be any alphanumeric string with a length of 1 to 100 characters.

**Note:** **disabled** in the <string> field disables SMTP.

Query Format:     **!SN ?**  
Response:        **!SN <string>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.13 CHANGE SMTP DOMAIN IP ADDRESS

Using the **!SD** command, the Administrator can set the SMTP Domain IP Address. The command protocol for this command is as follows:

Format:           **!SD <ip\_address>**  
Response:        **Command Successful**

**Note:** An IP Address of **0.0.0.0** disables SMTP.

Query Format:     **!SD ?**  
Response:        **!SD <ip\_address>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.14 CHANGE HTTP PORT

Using the **!PT** command, the Administrator can set the HTTP Port. The command protocol for this command is as follows:

Format:           **!PT <value>**  
Response:       **Command Successful**

Where <value> can be any number in the range of 0 to 65535

Query Format:   **!PT ?**  
Response:       **!PT <value>**

- Notes:**
1. The default port is set to 80.
  2. Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.15 CHANGE SNMP TRAP IP ADDRESS

Using the **!TP** command, the Administrator can set the SNMP Trap IP Address. The command protocol for this command is as follows:

Format:           **!TP <ip\_address>**  
Response:       **Command Successful**

**Note:** An IP Address of **0.0.0.0** disables the trap

Query Format:   **!TP ?**  
Response:       **!TP <ip\_address>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.1.16 CHANGE SNMP TRAP COMMUNITY

Using the **!TC** command, the Administrator can set the SNMP Trap Community. The command protocol for this command is as follows:

Format:           **!TC <string>**  
Response:       **Command Successful**

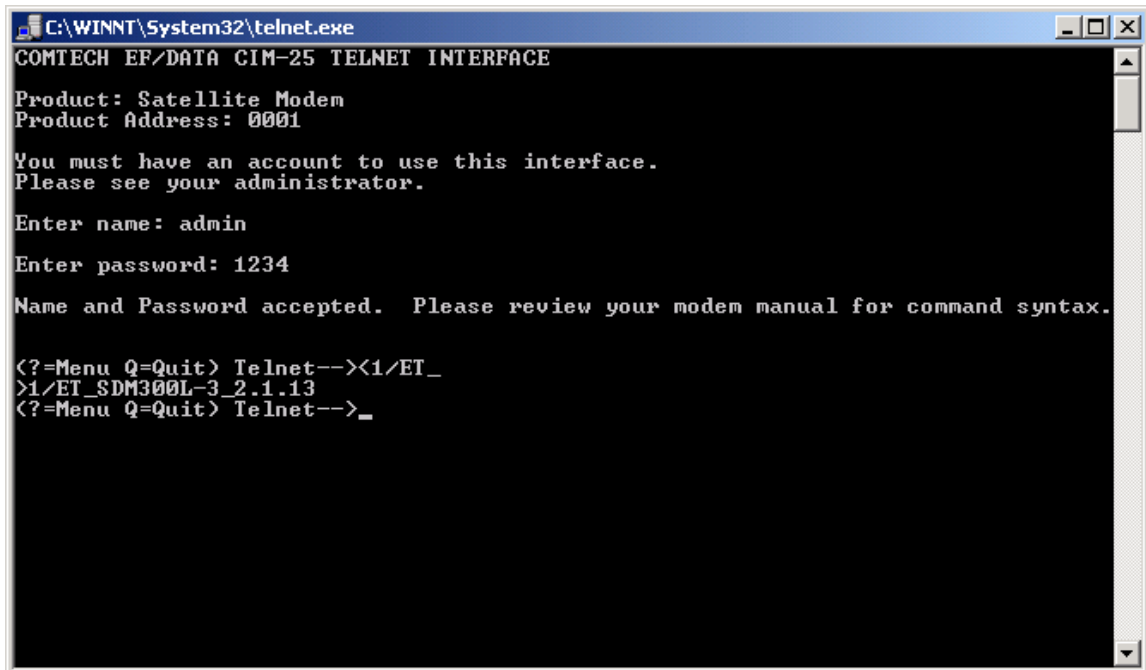
where <string> can be 0 - 20 characters

Query Format:   **!TC ?**  
Response:       **!TC <string>**

**Note:** Changes made via this command do not become active until the user has sent a **!EE** command to commit the changes to EEPROM of the CiM-25.

### 3.5.2 USING TELNET WITH EQUIPMENT REMOTE CONTROL PROTOCOL

The CiM-25/300L2/3 Telnet interface will accept any command defined in the particular interfacing equipments Remote Control Specification. See the equipments Operation Manual for details regarding the available commands and the message protocol. The screen dump below show an example of how to directly use the equipments Remote Control Protocol to communicate to the equipment via the Telnet interface.



```
C:\WINNT\System32\telnet.exe
COMTECH EF/DATA CIM-25 TELNET INTERFACE
Product: Satellite Modem
Product Address: 0001

You must have an account to use this interface.
Please see your administrator.

Enter name: admin
Enter password: 1234
Name and Password accepted. Please review your modem manual for command syntax.

<?=Menu Q=Quit> Telnet--><1/ET_
>1/ET_SDM300L-3_2.1.13
<?=Menu Q=Quit> Telnet-->_
```



## 3.6 MAINTENANCE INTERFACE

The default network configuration settings are:

- ▶ IP: **10.6.30.1**
- ▶ Admin Name: **admin**
- ▶ Admin Password: **1234**

The CiM-25 has been designed to support a means of allowing a customer to reset the unit back to the factory default settings, change the IP Address, and verify the software version. Use the following procedure to prepare for for making these changes.

Perform the following steps:

- 1 Disconnect the CiM-25 from both the interfacing equipment and the Ethernet Network.
- 2 Connect the CiM-25 to the serial port of a PC using a cable defined below (null cable):

CiM-25 pin 2 to PC pin 3  
CiM-25 pin 3 to PC pin 2  
CiM-25 pin 5 to PC pin 5

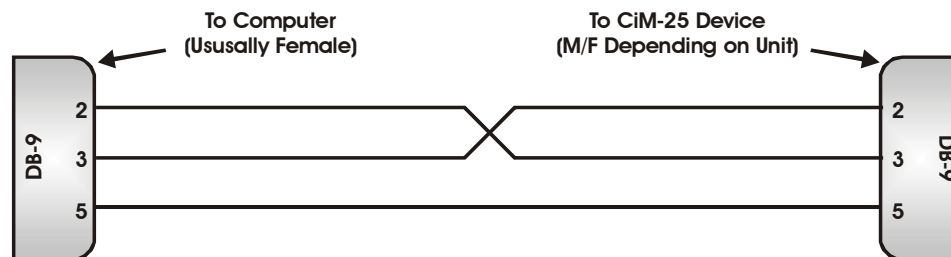


Figure 1. Null Cable Diagram

- 3 Power the CiM-25 using the Power Jack connector and a external 5 Vdc power supply.
- 4 Using a Serial Communication application such as Terminal, ProComm, etc., configure the PC's serial port to:

Baud: **19200**  
Data rate: **8-N-1**

Use the procedures in following sections to:

- ▶ Reset to factory network defaults.
- ▶ Change network IP Address
- ▶ Verify software version.
- ▶ Change MAC Address
- ▶ Change Serial Number

### 3.6.1 RESETTING TO FACTORY DEFAULTS

Perform the following:

- 1 Enter the following command:  
Command: **<0/RST='cr'**  
Response: **>0/RST=**

### 3.6.2 CHANGING NETWORK IP ADDRESS

Perform the following:

- 1 Enter the following command:  
Command: **<0/IPA=xxx.xxx.xxx.xxx/yy'cr'**  
Where x is the IP Address and y is the subnet mask.  
Response: **>0/IPA=**  
Example: **<0/IPA=192.168.001.002/16'cr'**  
16 would be a subnet mask of 255.255.0.0
- 2 To query the IP address enter: **<0/IPA?'cr'**

### 3.6.3 VERIFYING SOFTWARE VERSION

Perform the following:

- 1 Enter the following command:  
Command: **<0/SWR?'cr'**  
Response: **>0/SWR= 1.0.1'cr'**

### 3.6.4 CHANGING MAC ADDRESS

Perform the following:

- 1 Enter the following command:  
Command: **<0/MAC=xxxxxxxx'cr'**  
Where x is the MAC Address as shown on the label of the CiM-25.  
Response: **>0/MAC=**  
Example: **>0/MAC=006B0000000A'cr'**
- 2 To query the MAC Address enter: **>0/MAC?'cr'**



1. **The MAC Address is unique to this unit. Change only under the factory direction or if it does not match the label.**
2. **Changing the MAC Address to anything other than the factory default, may result in erratic operation.**

### 3.6.5 CHANGING SERIAL NUMBER

Perform the following:

- 1 Enter the following command:

Command: **<0/SNM=xxxxxxxx'cr'**

Where x is the Serial Number as shown on the label of the CiM-25.

Response: **>0/SNM=**

Example: **>0/SNM=022080125A'cr'**

- 2 To query the Serial Number enter: **>0/SNM?'cr'**



**The Serial Number is unique to this unit. Change only under the factory direction or if it does not match the label.**



# Appendix A.

## CiM-25/300L2/3 SNMP Interface

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### A.1 SNMP INTERFACE

The *Simple Network Management Protocol* (SNMP) is an application-layer protocol designed to facilitate the exchange of management information between network devices. The CiM-25/300L2/3 SNMP agent supports SNMPv2c.

### A.2 MIB-II

The CiM-25/300L2/3 agent implements RFC 1213, Management Information Base for Network Management of TCP/IP-based Internets. This is known as “MIB-II support”. Please refer to RFC 1213 for this definition.

### A.3 PRIVATE MIB IMPLEMENTATIONS

The agent also implements two private MIBs for the CiM-25/300L2/3. The CiM IP Controller MIB (cim-25) holds all the security, feature selection, and IP related parameters and the SDM-300L2/L3 modem MIB which contains all the modem specific parameters.

## A.4 CIM-25 MIB TREE

- 1 - 1 --- iso
- 2 - 1.3 --- org
- 3 - 1.3.6 --- dod
- 4 - 1.3.6.1 --- internet
- 5 - 1.3.6.1.4 --- private
- 6 - 1.3.6.1.4.1 --- enterprises
- 7 - 1.3.6.1.4.1.6247 --- comtech
- 8 - 1.3.6.1.4.1.6247.3 --- cim25
- 9 - 1.3.6.1.4.1.6247.3.1 --- cim25Objects
- 10 - 1.3.6.1.4.1.6247.3.1.1 --- ipAddress1 (IpAddress)
- 11 - 1.3.6.1.4.1.6247.3.1.2 --- ipAddress2 (IpAddress)
- 12 - 1.3.6.1.4.1.6247.3.1.3 --- ipAddress12Range (INTEGER)
- 13 - 1.3.6.1.4.1.6247.3.1.4 --- ipAddress3 (IpAddress)
- 14 - 1.3.6.1.4.1.6247.3.1.5 --- ipAddress4 (IpAddress)
- 15 - 1.3.6.1.4.1.6247.3.1.6 --- ipAddress34Range (INTEGER)
- 16 - 1.3.6.1.4.1.6247.3.1.7 --- ipAddress5 (IpAddress)
- 17 - 1.3.6.1.4.1.6247.3.1.8 --- ipAddress6 (IpAddress)
- 18 - 1.3.6.1.4.1.6247.3.1.9 --- ipAddress56Range (INTEGER)
- 19 - 1.3.6.1.4.1.6247.3.1.10 --- dnsIpAddressPrimary (IpAddress)
- 20 - 1.3.6.1.4.1.6247.3.1.11 --- dnsIpAddressSecondary (IpAddress)
- 21 - 1.3.6.1.4.1.6247.3.1.12 --- cim25IpAddress (IpAddress)
- 22 - 1.3.6.1.4.1.6247.3.1.13 --- cim25IpGateway (IpAddress)
- 23 - 1.3.6.1.4.1.6247.3.1.14 --- cim25IpMask (IpAddress)

- 24 - 1.3.6.1.4.1.6247.3.1.15 --- readonlyPassword (OCTET STRING)
- 25 - 1.3.6.1.4.1.6247.3.1.16 --- readwritePassword (OCTET STRING)
- 26 - 1.3.6.1.4.1.6247.3.1.17 --- administratorPassword (OCTET STRING)
- 27 - 1.3.6.1.4.1.6247.3.1.18 --- trapIpAddress (IpAddress)
- 28 - 1.3.6.1.4.1.6247.3.1.19 --- trapCommunity (OCTET STRING)
- 29 - 1.3.6.1.4.1.6247.3.1.20 --- administratorName (OCTET STRING)
- 30 - 1.3.6.1.4.1.6247.3.1.21 --- readonlyName (OCTET STRING)
- 31 - 1.3.6.1.4.1.6247.3.1.22 --- readwriteName (OCTET STRING)
- 32 - 1.3.6.1.4.1.6247.3.1.23 --- macAddress (OCTET STRING)
- 33 - 1.3.6.1.4.1.6247.3.1.24 --- submitconfig (INTEGER)

## A.5 CiM-25 MIB

### A.5.1 ISO

|                  |                   |
|------------------|-------------------|
| <b>Name</b>      | iso               |
| <b>OID</b>       | 1                 |
| <b>Full path</b> | iso(1)            |
| <b>Module</b>    | SNMPv2-SMI        |
| <b>Child</b>     | org               |
| <b>Type</b>      | OBJECT-IDENTIFIER |

### A.5.2 ORG

|                  |                   |
|------------------|-------------------|
| <b>Name</b>      | org               |
| <b>OID</b>       | 1.3               |
| <b>Full path</b> | iso(1).org(3)     |
| <b>Module</b>    | SNMPv2-SMI        |
| <b>Parent</b>    | iso               |
| <b>Child</b>     | dod               |
| <b>Type</b>      | OBJECT-IDENTIFIER |

### A.5.3 DOD

|                  |                      |
|------------------|----------------------|
| <b>Name</b>      | dod                  |
| <b>OID</b>       | 1.3.6                |
| <b>Full path</b> | iso(1).org(3).dod(6) |
| <b>Module</b>    | SNMPv2-SMI           |
| <b>Parent</b>    | org                  |
| <b>Child</b>     | internet             |
| <b>Type</b>      | OBJECT-IDENTIFIER    |

### A.5.4 INTERNET

|                  |                                  |
|------------------|----------------------------------|
| <b>Name</b>      | internet                         |
| <b>OID</b>       | 1.3.6.1                          |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1) |
| <b>Module</b>    | SNMPv2-SMI                       |
| <b>Parent</b>    | dod                              |
| <b>Child</b>     | private                          |
| <b>Type</b>      | OBJECT-IDENTIFIER                |



### A.5.5 PRIVATE

|                  |   |
|------------------|---|
| <b>Name</b>      | private                                     |
| <b>OID</b>       | 1.3.6.1.4                                   |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4) |
| <b>Module</b>    | CIM25                                       |
| <b>Parent</b>    | internet                                    |
| <b>Child</b>     | enterprises                                 |
| <b>Type</b>      | OBJECT-IDENTIFIER                           |

### A.5.6 ENTERPRISES

|                  |  |
|------------------|--|
| <b>Name</b>      | enterprises  |
| <b>OID</b>       | 1.3.6.1.4.1  |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1) |
| <b>Module</b>    | CIM25  |
| <b>Parent</b>    | private  |
| <b>Child</b>     | comtech  |
| <b>Type</b>      | OBJECT-IDENTIFIER  |

### A.5.7 COMTECH

|                  |  |
|------------------|--|
| <b>Name</b>      | comtech  |
| <b>OID</b>       | 1.3.6.1.4.1.6247   |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) |
| <b>Module</b>    | CIM25  |
| <b>Parent</b>    | enterprises  |
| <b>Child</b>     | cim25  |
| <b>Type</b>      | OBJECT-IDENTIFIER  |

### A.5.8 CIM25

|                  |   |
|------------------|---|
| <b>Name</b>      | cim25   |
| <b>OID</b>       | 1.3.6.1.4.1.6247.3  |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3) |
| <b>Module</b>    | CIM25   |
| <b>Parent</b>    | comtech   |
| <b>Child</b>     | cim25Objects  |
| <b>Type</b>      | OBJECT-IDENTIFIER   |

### A.5.9 CIM25OBJECTS

|                  |   |
|------------------|---|
| <b>Name</b>      | cim25Objects  |
| <b>OID</b>       | 1.3.6.1.4.1.6247.3.1  |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1) |
| <b>Module</b>    | CIM25   |
| <b>Parent</b>    | cim25   |
| <b>Child</b>     | ipAddress1  |
| <b>Type</b>      | OBJECT-IDENTIFIER   |

### A.5.10 IPADDRESS1

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress1  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.1  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress1(1) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Next sibling</b>     | ipAddress2  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | IP Address 1 or IP Address 1 Start Range.   |

### A.5.11 IPADDRESS2

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress2  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.2  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress2(2) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress1  |
| <b>Next sibling</b>     | ipAddress12Range  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | IP Address 2 or IP Address 1 End Range.   |

## A.5.12 IPADDRESS12RANGE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress12Range  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.3  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress12Range(3) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress2  |
| <b>Next sibling</b>     | ipAddress3  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | no(0)   |
| 2                       | yes(1)  |
| <b>Description</b>      | Range or Individual for IP Address 1 and 2.   |

## A.5.13 IPADDRESS3

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress3  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.4  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress3(4) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress12Range  |
| <b>Next sibling</b>     | ipAddress4  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | IP Address 3 or IP Address 2 Start Range.   |

## A.5.14 IPADDRESS4

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress4  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.5  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress4(5) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress3  |
| <b>Next sibling</b>     | ipAddress34Range  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | IP Address 4 or IP Address 2 End Range.   |

## A.5.15 IPADDRESS34RANGE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress34Range  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.6  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress34Range(6) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress4  |
| <b>Next sibling</b>     | ipAddress5  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | no(0)   |
| 2                       | yes(1)  |
| <b>Description</b>      | Range or Individual for IP Address 3 and 4.   |

## A.5.16 IPADDRESS5

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress5  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.7  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress5(7) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress34Range  |
| <b>Next sibling</b>     | ipAddress6  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | IP Address 5 or IP Address 3 Start Range.   |

## A.5.17 IPADDRESS6

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress6  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.8  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress6(8) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress5  |
| <b>Next sibling</b>     | ipAddress56Range  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | IP Address 6 or IP Address 3 End Range.   |

## A.5.18 IPADDRESS56RANGE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ipAddress56Range  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.9  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).ipAddress56Range(9) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress6  |
| <b>Next sibling</b>     | dnsIpAddressPrimary   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | no(0)   |
| 2                       | yes(1)  |
| <b>Description</b>      | Range or Individual for IP Address 5 and 6.   |

## A.5.19 DNSIPADDRESSPRIMARY

|                         |   |
|-------------------------|---|
| <b>Name</b>             | dnsIpAddressPrimary   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.10   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).dnsIpAddressPrimary(10) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | ipAddress56Range  |
| <b>Next sibling</b>     | dnsIpAddressSecondary   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | Primary DNS IP Address.   |

## A.5.20 DNSIPADDRESSSECONDARY

|                         |   |
|-------------------------|---|
| <b>Name</b>             | dnsIpAddressSecondary   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.11   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).dnsIpAddressSecondary(11) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | dnsIpAddressPrimary   |
| <b>Next sibling</b>     | cim25IpAddress  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | Secondary DNS IP Address.   |

## A.5.21 CIM25IPADDRESS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | cim25IpAddress   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.12  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).cim25IpAddress(12) |
| <b>Module</b>           | CIM25  |
| <b>Parent</b>           | cim25Objects   |
| <b>Prev sibling</b>     | dnsIpAddressSecondary  |
| <b>Next sibling</b>     | cim25IpGateway   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR   |
| <b>Base syntax</b>      | IpAddress  |
| <b>Composed syntax</b>  | IpAddress  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Description</b>      | CiM 25 IP Address.   |

### A.5.22 CIM25IPGATEWAY

|                         |  |
|-------------------------|--|
| <b>Name</b>             | cim25IpGateway   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.13  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).cim25IpGateway(13) |
| <b>Module</b>           | CIM25  |
| <b>Parent</b>           | cim25Objects   |
| <b>Prev sibling</b>     | cim25IpAddress   |
| <b>Next sibling</b>     | cim25IpMask  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR   |
| <b>Base syntax</b>      | IpAddress  |
| <b>Composed syntax</b>  | IpAddress  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Description</b>      | CiM 25 IP Gateway  |

### A.5.23 CIM25IPMASK

|                         |   |
|-------------------------|---|
| <b>Name</b>             | cim25IpMask   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.14   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).cim25IpMask(14) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | cim25IpGateway  |
| <b>Next sibling</b>     | readonlyPassword  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | CiM25 IP Mask.  |



### A.5.24 READONLYPASSWORD

|                         |  |
|-------------------------|--|
| <b>Name</b>             | readonlyPassword   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.15  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).readonlyPassword(15) |
| <b>Module</b>           | CIM25  |
| <b>Parent</b>           | cim25Objects   |
| <b>Prev sibling</b>     | cim25IpMask  |
| <b>Next sibling</b>     | readwritePassword  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 4..10  |
| <b>Description</b>      | Read-Only Password.  |

### A.5.25 READWRITEPASSWORD

|                         |   |
|-------------------------|---|
| <b>Name</b>             | readwritePassword   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.16   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).readwritePassword(16) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | readonlyPassword  |
| <b>Next sibling</b>     | administratorPassword   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 4..10   |
| <b>Description</b>      | Read-Write Password.  |

## A.5.26 ADMINISTRATORPASSWORD

|                         |   |
|-------------------------|---|
| <b>Name</b>             | administratorPassword   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.17   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).administratorPassword(17) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | readwritePassword   |
| <b>Next sibling</b>     | trapIpAddress   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 4..10   |
| <b>Description</b>      | Administrator Password.   |

## A.5.27 TRAPADDRESS

|                         |   |
|-------------------------|---|
| <b>Name</b>             | trapIpAddress   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.18   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).trapIpAddress(18) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | administratorPassword   |
| <b>Next sibling</b>     | trapCommunity   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_IPADDR  |
| <b>Base syntax</b>      | IpAddress   |
| <b>Composed syntax</b>  | IpAddress   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Description</b>      | Trap IP Address.  |

## A.5.28 TRAPCOMMUNITY

|                         |   |
|-------------------------|---|
| <b>Name</b>             | trapCommunity   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.19   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).trapCommunity(19) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | trapIpAddress   |
| <b>Next sibling</b>     | administratorName   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..20   |
| <b>Description</b>      | Trap Community.   |

## A.5.29 ADMINISTRATORNAME

|                         |   |
|-------------------------|---|
| <b>Name</b>             | administratorName   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.20   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).administratorName(20) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | trapCommunity   |
| <b>Next sibling</b>     | readonlyName  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 5..10   |
| <b>Description</b>      | Administrator User Name.  |

### A.5.30 READONLYNAME

|                         |  |
|-------------------------|--|
| <b>Name</b>             | readonlyName   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.21  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).readonlyName(21) |
| <b>Module</b>           | CIM25  |
| <b>Parent</b>           | cim25Objects   |
| <b>Prev sibling</b>     | administratorName  |
| <b>Next sibling</b>     | readwriteName  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 5..10  |
| <b>Description</b>      | Read-Only User Name.   |

### A.5.31 READWRITEName

|                         |   |
|-------------------------|---|
| <b>Name</b>             | readwriteName   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.22   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).readwriteName(22) |
| <b>Module</b>           | CIM25   |
| <b>Parent</b>           | cim25Objects  |
| <b>Prev sibling</b>     | readonlyName  |
| <b>Next sibling</b>     | macAddress  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 5..10   |
| <b>Description</b>      | Read-Write User Name.   |

### A.5.32 MACADDRESS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | macAddress   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.23  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).macAddress(23) |
| <b>Module</b>           | CIM25  |
| <b>Parent</b>           | cim25Objects   |
| <b>Prev sibling</b>     | readwriteName  |
| <b>Next sibling</b>     | submitconfig   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 12   |
| <b>Description</b>      | MAC Address.   |

### A.5.33 SUBMITCONFIG

|                         |  |
|-------------------------|--|
| <b>Name</b>             | submitconfig   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.3.1.24  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).cim25(3).cim25Objects(1).submitconfig(24) |
| <b>Module</b>           | CIM25  |
| <b>Parent</b>           | cim25Objects   |
| <b>Prev sibling</b>     | macAddress   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | submit(1)  |
| <b>Description</b>      | Submit changes in CiM 25 Configuration   |

## A.6 SDM-300L2/L3 MIB TREE

- 1 - 1 --- iso
- 2 - 1.3 --- org
- 3 - 1.3.6 --- dod
- 4 - 1.3.6.1 --- internet
- 5 - 1.3.6.1.4 --- private
- 6 - 1.3.6.1.4.1 --- enterprises
- 7 - 1.3.6.1.4.1.6247 --- comtech
- 8 - 1.3.6.1.4.1.6247.12 --- sdm300L2\_L3
- 9 - 1.3.6.1.4.1.6247.12.1 --- sdm300L2\_L3Objects
- 10 - 1.3.6.1.4.1.6247.12.1.1 --- systemInfo
- 11 - 1.3.6.1.4.1.6247.12.1.1.1 --- equipmentType (OCTET STRING)
- 12 - 1.3.6.1.4.1.6247.12.1.1.2 --- unitSerialNumbers (OCTET STRING)
- 13 - 1.3.6.1.4.1.6247.12.1.1.3 --- firmwareBoot (OCTET STRING)
- 14 - 1.3.6.1.4.1.6247.12.1.1.4 --- firmwareMC (OCTET STRING)
- 15 - 1.3.6.1.4.1.6247.12.1.1.5 --- firmwareBULK (OCTET STRING)
- 16 - 1.3.6.1.4.1.6247.12.1.1.6 --- modemOptions (OCTET STRING)
- 17 - 1.3.6.1.4.1.6247.12.1.1.7 --- card1Type (OCTET STRING)
- 18 - 1.3.6.1.4.1.6247.12.1.1.8 --- card2Type (OCTET STRING)
- 19 - 1.3.6.1.4.1.6247.12.1.1.9 --- card3Type (OCTET STRING)
- 20 - 1.3.6.1.4.1.6247.12.1.1.10 --- card1Options (OCTET STRING)
- 21 - 1.3.6.1.4.1.6247.12.1.1.11 --- card2Options (OCTET STRING)
- 22 - 1.3.6.1.4.1.6247.12.1.1.12 --- card3Options (OCTET STRING)

- 23 - 1.3.6.1.4.1.6247.12.1.1.13 --- stateOfProduct (OCTET STRING)
- 24 - 1.3.6.1.4.1.6247.12.1.1.14 --- deviceTime (OCTET STRING)
- 25 - 1.3.6.1.4.1.6247.12.1.1.15 --- deviceDate (OCTET STRING)
- 26 - 1.3.6.1.4.1.6247.12.1.1.16 --- operationMode (INTEGER)
- 27 - 1.3.6.1.4.1.6247.12.1.1.17 --- modemType (INTEGER)
- 28 - 1.3.6.1.4.1.6247.12.1.2 --- txParameters
- 29 - 1.3.6.1.4.1.6247.12.1.2.1 --- txFrequency (INTEGER)
- 30 - 1.3.6.1.4.1.6247.12.1.2.2 --- txModulatorType (INTEGER)
- 31 - 1.3.6.1.4.1.6247.12.1.2.3 --- txRateSelect (OCTET STRING)
- 32 - 1.3.6.1.4.1.6247.12.1.2.4 --- txEncoderType (INTEGER)
- 33 - 1.3.6.1.4.1.6247.12.1.2.5 --- txSpecRotation (INTEGER)
- 34 - 1.3.6.1.4.1.6247.12.1.2.6 --- txScrambler (INTEGER)
- 35 - 1.3.6.1.4.1.6247.12.1.2.7 --- txDifferentialEncoder (INTEGER)
- 36 - 1.3.6.1.4.1.6247.12.1.2.8 --- txPowerLevel (INTEGER)
- 37 - 1.3.6.1.4.1.6247.12.1.2.9 --- txPowerOffset (INTEGER)
- 38 - 1.3.6.1.4.1.6247.12.1.2.10 --- rfOutput (INTEGER)
- 39 - 1.3.6.1.4.1.6247.12.1.2.11 --- txRSEnable (INTEGER)
- 40 - 1.3.6.1.4.1.6247.12.1.2.12 --- txRSInterleave (INTEGER)
- 41 - 1.3.6.1.4.1.6247.12.1.2.13 --- txBPSKBitOrder (INTEGER)
- 42 - 1.3.6.1.4.1.6247.12.1.2.14 --- txIESS310 (INTEGER)
- 43 - 1.3.6.1.4.1.6247.12.1.2.15 --- txFSKoutput (INTEGER)
- 44 - 1.3.6.1.4.1.6247.12.1.3 --- rxParameters
- 45 - 1.3.6.1.4.1.6247.12.1.3.1 --- rxFrequency (INTEGER)
- 46 - 1.3.6.1.4.1.6247.12.1.3.2 --- rxDemodulatorType (INTEGER)
- 47 - 1.3.6.1.4.1.6247.12.1.3.3 --- rxRateSelect (OCTET STRING)

- 48 - 1.3.6.1.4.1.6247.12.1.3.4 --- rxDecoderType (INTEGER)
- 49 - 1.3.6.1.4.1.6247.12.1.3.5 --- rxSpecRotation (INTEGER)
- 50 - 1.3.6.1.4.1.6247.12.1.3.6 --- rxDescrambler (INTEGER)
- 51 - 1.3.6.1.4.1.6247.12.1.3.7 --- rxDifferentialDecoder (INTEGER)
- 52 - 1.3.6.1.4.1.6247.12.1.3.8 --- rxSweepCenter (INTEGER)
- 53 - 1.3.6.1.4.1.6247.12.1.3.9 --- rxSweepRange (INTEGER)
- 54 - 1.3.6.1.4.1.6247.12.1.3.10 --- rxSwpReacquisition (INTEGER)
- 55 - 1.3.6.1.4.1.6247.12.1.3.11 --- rxRSEnable (INTEGER)
- 56 - 1.3.6.1.4.1.6247.12.1.3.12 --- rxRSInterleave (INTEGER)
- 57 - 1.3.6.1.4.1.6247.12.1.3.13 --- rxBPSKBitOrder (INTEGER)
- 58 - 1.3.6.1.4.1.6247.12.1.3.14 --- rxIESS310 (INTEGER)
- 59 - 1.3.6.1.4.1.6247.12.1.4 --- interfaceParameters
- 60 - 1.3.6.1.4.1.6247.12.1.4.1 --- modemReference (INTEGER)
- 61 - 1.3.6.1.4.1.6247.12.1.4.2 --- txOverheadType (INTEGER)
- 62 - 1.3.6.1.4.1.6247.12.1.4.3 --- rxOverheadType (INTEGER)
- 63 - 1.3.6.1.4.1.6247.12.1.4.4 --- txDataFault (INTEGER)
- 64 - 1.3.6.1.4.1.6247.12.1.4.5 --- rxDataFault (INTEGER)
- 65 - 1.3.6.1.4.1.6247.12.1.4.6 --- txDataPhase (INTEGER)
- 66 - 1.3.6.1.4.1.6247.12.1.4.7 --- rxDataPhase (INTEGER)
- 67 - 1.3.6.1.4.1.6247.12.1.4.8 --- txDriverType (INTEGER)
- 68 - 1.3.6.1.4.1.6247.12.1.4.9 --- rxDriverType (INTEGER)
- 69 - 1.3.6.1.4.1.6247.12.1.4.10 --- txClockSource (INTEGER)
- 70 - 1.3.6.1.4.1.6247.12.1.4.11 --- rxBufferClockSource (INTEGER)
- 71 - 1.3.6.1.4.1.6247.12.1.4.12 --- extClkRefFrequency (INTEGER)
- 72 - 1.3.6.1.4.1.6247.12.1.4.13 --- txClockPhase (INTEGER)



- 73 - 1.3.6.1.4.1.6247.12.1.4.14 --- rxClockPhase (INTEGER)
- 74 - 1.3.6.1.4.1.6247.12.1.4.15 --- rxBufferSizeProgramming (INTEGER)
- 75 - 1.3.6.1.4.1.6247.12.1.4.16 --- rxBufferSize (OCTET STRING)
- 76 - 1.3.6.1.4.1.6247.12.1.4.17 --- rxFramingStructureT1 (INTEGER)
- 77 - 1.3.6.1.4.1.6247.12.1.4.18 --- rxFramingStructureE1 (INTEGER)
- 78 - 1.3.6.1.4.1.6247.12.1.4.19 --- txCodingFormat (INTEGER)
- 79 - 1.3.6.1.4.1.6247.12.1.4.20 --- rxCodingFormat (INTEGER)
- 80 - 1.3.6.1.4.1.6247.12.1.4.21 --- dropDataFormat (INTEGER)
- 81 - 1.3.6.1.4.1.6247.12.1.4.22 --- insertDataFormat (INTEGER)
- 82 - 1.3.6.1.4.1.6247.12.1.4.23 --- insertE1CRCEnable (INTEGER)
- 83 - 1.3.6.1.4.1.6247.12.1.4.24 --- dropChAssignment (OCTET STRING)
- 84 - 1.3.6.1.4.1.6247.12.1.4.25 --- insertChAssignment (OCTET STRING)
- 85 - 1.3.6.1.4.1.6247.12.1.4.26 --- idrTxESCType (INTEGER)
- 86 - 1.3.6.1.4.1.6247.12.1.4.27 --- idrRxESCType (INTEGER)
- 87 - 1.3.6.1.4.1.6247.12.1.4.28 --- ibsTxESCType (INTEGER)
- 88 - 1.3.6.1.4.1.6247.12.1.4.29 --- ibsRxESCType (INTEGER)
- 89 - 1.3.6.1.4.1.6247.12.1.4.30 --- asyncTxOHBAudRate (INTEGER)
- 90 - 1.3.6.1.4.1.6247.12.1.4.31 --- asyncRxOHBAudRate (INTEGER)
- 91 - 1.3.6.1.4.1.6247.12.1.4.32 --- asyncTxOHCharLength (INTEGER)
- 92 - 1.3.6.1.4.1.6247.12.1.4.33 --- asyncRxOHCharLength (INTEGER)
- 93 - 1.3.6.1.4.1.6247.12.1.4.34 --- asyncTxOHStopBits (INTEGER)
- 94 - 1.3.6.1.4.1.6247.12.1.4.35 --- asyncRxOHStopBits (INTEGER)
- 95 - 1.3.6.1.4.1.6247.12.1.4.36 --- asyncTxOHParity (INTEGER)
- 96 - 1.3.6.1.4.1.6247.12.1.4.37 --- asyncRxOHParity (INTEGER)
- 97 - 1.3.6.1.4.1.6247.12.1.4.38 --- asyncTxOHCommType (INTEGER)

- 98 - 1.3.6.1.4.1.6247.12.1.4.39 --- asyncRxOHCommType (INTEGER)
- 99 - 1.3.6.1.4.1.6247.12.1.4.40 --- rxBufferCenter (INTEGER)
- 100 - 1.3.6.1.4.1.6247.12.1.5 --- utilityParameters
- 101 - 1.3.6.1.4.1.6247.12.1.5.1 --- ctsDelayTime (INTEGER)
- 102 - 1.3.6.1.4.1.6247.12.1.5.2 --- serviceChannelLevelTX1 (INTEGER)
- 103 - 1.3.6.1.4.1.6247.12.1.5.3 --- serviceChannelLevelTX2 (INTEGER)
- 104 - 1.3.6.1.4.1.6247.12.1.5.4 --- serviceChannelLevelRX1 (INTEGER)
- 105 - 1.3.6.1.4.1.6247.12.1.5.5 --- serviceChannelLevelRX2 (INTEGER)
- 106 - 1.3.6.1.4.1.6247.12.1.5.6 --- idrBackwardAlarmEnableTX1 (INTEGER)
- 107 - 1.3.6.1.4.1.6247.12.1.5.7 --- idrBackwardAlarmEnableTX2 (INTEGER)
- 108 - 1.3.6.1.4.1.6247.12.1.5.8 --- idrBackwardAlarmEnableTX3 (INTEGER)
- 109 - 1.3.6.1.4.1.6247.12.1.5.9 --- idrBackwardAlarmEnableTX4 (INTEGER)
- 110 - 1.3.6.1.4.1.6247.12.1.5.10 --- idrBackwardAlarmEnableRX1 (INTEGER)
- 111 - 1.3.6.1.4.1.6247.12.1.5.11 --- idrBackwardAlarmEnableRX2 (INTEGER)
- 112 - 1.3.6.1.4.1.6247.12.1.5.12 --- idrBackwardAlarmEnableRX3 (INTEGER)
- 113 - 1.3.6.1.4.1.6247.12.1.5.13 --- idrBackwardAlarmEnableRX4 (INTEGER)
- 114 - 1.3.6.1.4.1.6247.12.1.5.14 --- carrierOnlyMode (INTEGER)
- 115 - 1.3.6.1.4.1.6247.12.1.5.15 --- ifLoopBack (INTEGER)
- 116 - 1.3.6.1.4.1.6247.12.1.5.16 --- basebandLoopBack (INTEGER)
- 117 - 1.3.6.1.4.1.6247.12.1.5.17 --- interfaceLoopBack (INTEGER)
- 118 - 1.3.6.1.4.1.6247.12.1.5.18 --- interfaceLoopTiming (INTEGER)
- 119 - 1.3.6.1.4.1.6247.12.1.5.19 --- rfModeControl (INTEGER)
- 120 - 1.3.6.1.4.1.6247.12.1.5.20 --- rtsControlTXIF (INTEGER)
- 121 - 1.3.6.1.4.1.6247.12.1.5.21 --- substitutePattern (INTEGER)
- 122 - 1.3.6.1.4.1.6247.12.1.5.22 --- readErrorSelect (INTEGER)

- 123 - 1.3.6.1.4.1.6247.12.1.5.23 --- rxBERThreshold (INTEGER)
- 124 - 1.3.6.1.4.1.6247.12.1.5.24 --- lnPower (INTEGER)
- 125 - 1.3.6.1.4.1.6247.12.1.5.25 --- lnVoltage (INTEGER)
- 126 - 1.3.6.1.4.1.6247.12.1.5.26 --- lnRefEnable (INTEGER)
- 127 - 1.3.6.1.4.1.6247.12.1.5.27 --- lnThresholdLow (INTEGER)
- 128 - 1.3.6.1.4.1.6247.12.1.5.28 --- lnThresholdHigh (INTEGER)
- 129 - 1.3.6.1.4.1.6247.12.1.5.29 --- oduPower (INTEGER)
- 130 - 1.3.6.1.4.1.6247.12.1.5.30 --- oduRefEnable (INTEGER)
- 131 - 1.3.6.1.4.1.6247.12.1.5.31 --- oduThresholdLow (INTEGER)
- 132 - 1.3.6.1.4.1.6247.12.1.5.32 --- oduThresholdHigh (INTEGER)
- 133 - 1.3.6.1.4.1.6247.12.1.5.33 --- oduTXOutput (INTEGER)
- 134 - 1.3.6.1.4.1.6247.12.1.5.34 --- oduPowerLeveling (INTEGER)
- 135 - 1.3.6.1.4.1.6247.12.1.6 --- aupcParameters
- 136 - 1.3.6.1.4.1.6247.12.1.6.1 --- localModemAUPCMode (INTEGER)
- 137 - 1.3.6.1.4.1.6247.12.1.6.2 --- aupcLocalEnable (INTEGER)
- 138 - 1.3.6.1.4.1.6247.12.1.6.3 --- aupcNominalPwrLevel (INTEGER)
- 139 - 1.3.6.1.4.1.6247.12.1.6.4 --- aupcMaximumPwrLevel (INTEGER)
- 140 - 1.3.6.1.4.1.6247.12.1.6.5 --- aupcMinimumPwrLevel (INTEGER)
- 141 - 1.3.6.1.4.1.6247.12.1.6.6 --- aupcEBN0Target (INTEGER)
- 142 - 1.3.6.1.4.1.6247.12.1.6.7 --- aupcMaxTrackRate (INTEGER)
- 143 - 1.3.6.1.4.1.6247.12.1.6.8 --- aupcLocalCDLossAction (INTEGER)
- 144 - 1.3.6.1.4.1.6247.12.1.6.9 --- aupcRemoteCDLossAction (INTEGER)
- 145 - 1.3.6.1.4.1.6247.12.1.6.10 --- remoteAUPCEnable (INTEGER)
- 146 - 1.3.6.1.4.1.6247.12.1.6.11 --- remoteIntfSubstPattern (INTEGER)
- 147 - 1.3.6.1.4.1.6247.12.1.6.12 --- remoteIntfBBLoopback (INTEGER)

- 148 - 1.3.6.1.4.1.6247.12.1.6.13 --- remoteEBNO (Integer32)
- 149 - 1.3.6.1.4.1.6247.12.1.7 --- statusParameters
- 150 - 1.3.6.1.4.1.6247.12.1.7.1 --- rxRawBER (Integer32)
- 151 - 1.3.6.1.4.1.6247.12.1.7.2 --- rxCorrectedBER (Integer32)
- 152 - 1.3.6.1.4.1.6247.12.1.7.3 --- rxEbno (INTEGER)
- 153 - 1.3.6.1.4.1.6247.12.1.7.4 --- rxSignalLevel (INTEGER)
- 154 - 1.3.6.1.4.1.6247.12.1.7.5 --- rxSweepValue (INTEGER)
- 155 - 1.3.6.1.4.1.6247.12.1.7.6 --- rxbufferFillState (INTEGER)
- 156 - 1.3.6.1.4.1.6247.12.1.7.7 --- rxLNBCurrent (INTEGER)
- 157 - 1.3.6.1.4.1.6247.12.1.7.8 --- txODUCurrent (INTEGER)
- 158 - 1.3.6.1.4.1.6247.12.1.7.9 --- modemFaultStatus (INTEGER)
- 159 - 1.3.6.1.4.1.6247.12.1.7.10 --- modulatorStatus (INTEGER)
- 160 - 1.3.6.1.4.1.6247.12.1.7.11 --- demodulatorStatus (INTEGER)
- 161 - 1.3.6.1.4.1.6247.12.1.7.12 --- txInterfaceStatus (INTEGER)
- 162 - 1.3.6.1.4.1.6247.12.1.7.13 --- rxInterfaceStatus (INTEGER)
- 163 - 1.3.6.1.4.1.6247.12.1.7.14 --- commonEquipStatus (INTEGER)
- 164 - 1.3.6.1.4.1.6247.12.1.7.15 --- backwardAlarmStatus (INTEGER)
- 165 - 1.3.6.1.4.1.6247.12.1.7.16 --- oduStatus (INTEGER)
- 166 - 1.3.6.1.4.1.6247.12.1.7.17 --- oduTemperature (OCTET STRING)
- 167 - 1.3.6.1.4.1.6247.12.1.7.18 --- oduPhaseLockLoop (INTEGER)
- 168 - 1.3.6.1.4.1.6247.12.1.7.19 --- oduSoftwareVersion (INTEGER)
- 169 - 1.3.6.1.4.1.6247.12.1.7.20 --- oduPowerClass (INTEGER)
- 170 - 1.3.6.1.4.1.6247.12.1.8 --- trapNotifications
- 171 - 1.3.6.1.4.1.6247.12.1.8.0 --- trapNotificationsPrefix
- 172 - 1.3.6.1.4.1.6247.12.1.8.0.1 --- unitFaultTraps

## A.7 SDM-300L2/L3 MIB

### A.7.1 ISO

|                  |                   |
|------------------|-------------------|
| <b>Name</b>      | iso               |
| <b>OID</b>       | 1                 |
| <b>Full path</b> | iso(1)            |
| <b>Module</b>    | SNMPv2-SMI        |
| <b>Child</b>     | org               |
| <b>Type</b>      | OBJECT-IDENTIFIER |

### A.7.2 ORG

|                  |                   |
|------------------|-------------------|
| <b>Name</b>      | org               |
| <b>OID</b>       | 1.3               |
| <b>Full path</b> | iso(1).org(3)     |
| <b>Module</b>    | SNMPv2-SMI        |
| <b>Parent</b>    | iso               |
| <b>Child</b>     | dod               |
| <b>Type</b>      | OBJECT-IDENTIFIER |

### A.7.3 DOD

|                  |                      |
|------------------|----------------------|
| <b>Name</b>      | dod                  |
| <b>OID</b>       | 1.3.6                |
| <b>Full path</b> | iso(1).org(3).dod(6) |
| <b>Module</b>    | SNMPv2-SMI           |
| <b>Parent</b>    | org                  |
| <b>Child</b>     | internet             |
| <b>Type</b>      | OBJECT-IDENTIFIER    |

### A.7.4 INTERNET

|                  |                                  |
|------------------|----------------------------------|
| <b>Name</b>      | internet                         |
| <b>OID</b>       | 1.3.6.1                          |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1) |
| <b>Module</b>    | SNMPv2-SMI                       |
| <b>Parent</b>    | dod                              |
| <b>Child</b>     | private                          |
| <b>Type</b>      | OBJECT-IDENTIFIER                |

### A.7.5 PRIVATE

|                  |   |
|------------------|---|
| <b>Name</b>      | private                                     |
| <b>OID</b>       | 1.3.6.1.4                                   |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4) |
| <b>Module</b>    | SDM300L2_L3                                 |
| <b>Parent</b>    | internet                                    |
| <b>Child</b>     | enterprises                                 |
| <b>Type</b>      | OBJECT-IDENTIFIER                           |

### A.7.6 ENTERPRISES

|                  |  |
|------------------|--|
| <b>Name</b>      | enterprises  |
| <b>OID</b>       | 1.3.6.1.4.1  |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1) |
| <b>Module</b>    | SDM300L2_L3  |
| <b>Parent</b>    | private  |
| <b>Child</b>     | comtech  |
| <b>Type</b>      | OBJECT-IDENTIFIER  |

### A.7.7 COMTECH

|                  |  |
|------------------|--|
| <b>Name</b>      | comtech  |
| <b>OID</b>       | 1.3.6.1.4.1.6247   |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247) |
| <b>Module</b>    | SDM300L2_L3  |
| <b>Parent</b>    | enterprises  |
| <b>Child</b>     | sdm300L2_L3  |
| <b>Type</b>      | OBJECT-IDENTIFIER  |

### A.7.8 SDM300L2\_L3

|                  |  |
|------------------|--|
| <b>Name</b>      | sdm300L2_L3  |
| <b>OID</b>       | 1.3.6.1.4.1.6247.12  |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12) |
| <b>Module</b>    | SDM300L2_L3  |
| <b>Parent</b>    | comtech  |
| <b>Child</b>     | sdm300L2_L3Objects   |
| <b>Type</b>      | OBJECT-IDENTIFIER  |

### A.7.9 SDM300L2\_L3OBJECTS

|                  |  |
|------------------|--|
| <b>Name</b>      | sdm300L2_L3Objects   |
| <b>OID</b>       | 1.3.6.1.4.1.6247.12.1  |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1) |
| <b>Module</b>    | SDM300L2_L3  |
| <b>Parent</b>    | sdm300L2_L3  |
| <b>Child</b>     | systemInfo   |
| <b>Type</b>      | OBJECT-IDENTIFIER  |

### A.7.10 SYSTEMINFO

|                     |  |
|---------------------|--|
| <b>Name</b>         | systemInfo   |
| <b>OID</b>          | 1.3.6.1.4.1.6247.12.1.1  |
| <b>Full path</b>    | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1) |
| <b>Module</b>       | SDM300L2_L3  |
| <b>Parent</b>       | sdm300L2_L3Objects   |
| <b>Next sibling</b> | txParameters   |
| <b>Child</b>        | equipmentType  |
| <b>Type</b>         | OBJECT-IDENTIFIER  |

### A.7.11 EQUIPMENTTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | equipmentType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.1   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).equipmentType(1) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Next sibling</b>     | unitSerialNumbers   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..23   |
| <b>Description</b>      | Equipment Type. (ET_)   |

## A.7.12 UNITSERIALNUMBERS

|                         |   |
|-------------------------|---|
| <b>Name</b>             | unitSerialNumbers   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.2   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).unitSerialNumbers(2) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | equipmentType   |
| <b>Next sibling</b>     | firmwareBoot  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 18..66  |
| <b>Description</b>      | Unit Serial Number. (SNUM_)   |

## A.7.13 FIRMWAREBOOT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | firmwareBoot   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.3  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).firmwareBoot(3) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | systemInfo   |
| <b>Prev sibling</b>     | unitSerialNumbers  |
| <b>Next sibling</b>     | firmwareMC   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 41   |
| <b>Description</b>      | Boot M&C Firmware Information. (BFI_)  |



## A.7.14 FIRMWAREMC

|                         |  |
|-------------------------|--|
| <b>Name</b>             | firmwareMC   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.4  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).firmwareMC(4) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | systemInfo   |
| <b>Prev sibling</b>     | firmwareBoot   |
| <b>Next sibling</b>     | firmwareBULK   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 41   |
| <b>Description</b>      | M&C Firmware Information. (MCFI_)  |

## A.7.15 FIRMWAREBULK

|                         |  |
|-------------------------|--|
| <b>Name</b>             | firmwareBULK   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.5  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).firmwareBULK(5) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | systemInfo   |
| <b>Prev sibling</b>     | firmwareMC   |
| <b>Next sibling</b>     | modemOptions   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 25   |
| <b>Description</b>      | Data ROM Firmware Information. (DFI_)  |

## A.7.16 MODEMOPTIONS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | modemOptions   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.6  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).modemOptions(6) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | systemInfo   |
| <b>Prev sibling</b>     | firmwareBULK   |
| <b>Next sibling</b>     | card1Type  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 135  |
| <b>Description</b>      | Modem Options. (MOI_)  |

## A.7.17 CARD1TYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | card1Type   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.7   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).card1Type(7) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | modemOptions  |
| <b>Next sibling</b>     | card2Type   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 5..13   |
| <b>Description</b>      | Card #1 Type Information. (C1TI_)   |

## A.7.18 CARD2TYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | card2Type   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.8   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).s<br>dm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).card2Type(8) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | card1Type   |
| <b>Next sibling</b>     | card3Type   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 5..13   |
| <b>Description</b>      | Card #2 Type Information. (C2TI_)   |

## A.7.19 CARD3TYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | card3Type   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.9   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).s<br>dm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).card3Type(9) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | card2Type   |
| <b>Next sibling</b>     | card1Options  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 5..13   |
| <b>Description</b>      | Card #3 Type Information. (C3TI_)   |

## A.7.20 CARD1OPTIONS

|                         |   |
|-------------------------|---|
| <b>Name</b>             | card1Options  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.10  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).card1Options(10) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | card3Type   |
| <b>Next sibling</b>     | card2Options  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..60   |
| <b>Description</b>      | Card #1 Options. (C1OI_)  |

## A.7.21 CARD2OPTIONS

|                         |   |
|-------------------------|---|
| <b>Name</b>             | card2Options  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.11  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).card2Options(11) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | card1Options  |
| <b>Next sibling</b>     | card3Options  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..13   |
| <b>Description</b>      | Card #2 Options. (C2OI_)  |

## A.7.22 CARD3OPTIONS

|                         |   |
|-------------------------|---|
| <b>Name</b>             | card3Options  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.12  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).card3Options(12) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | card2Options  |
| <b>Next sibling</b>     | stateOfProduct  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..13   |
| <b>Description</b>      | Card #3 Options. (C3OI_)  |

## A.7.23 STATEOFPRODUCT

|                         |   |
|-------------------------|---|
| <b>Name</b>             | stateOfProduct  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.13  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).stateOfProduct(13) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | card3Options  |
| <b>Next sibling</b>     | deviceTime  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 51..64  |
| <b>Description</b>      | State Of Product. (SOP_)  |

## A.7.24 DEVICETIME

|                         |   |
|-------------------------|---|
| <b>Name</b>             | deviceTime  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.14  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).deviceTime(14) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | stateOfProduct  |
| <b>Next sibling</b>     | deviceDate  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 7   |
| <b>Description</b>      | Unit Time. Format is 24 hour, HH MM. (TIME_)  |

## A.7.25 DEVICEDATE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | deviceDate  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.15  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).deviceDate(15) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | systemInfo  |
| <b>Prev sibling</b>     | deviceTime  |
| <b>Next sibling</b>     | operationMode   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 8..10   |
| <b>Description</b>      | Unit Date. Format is MM/DD/YY or MM/DD/YYYY. (DATE_)  |

## A.7.26 OPERATIONMODE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | operationMode  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.16   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).operationMode(16) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | systemInfo   |
| <b>Prev sibling</b>     | deviceDate   |
| <b>Next sibling</b>     | modemType  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | txonly(0)  |
| <b>2</b>                | rxonly(1)  |
| <b>3</b>                | duplex(2)  |
| <b>Description</b>      | Modem Operation Mode. (MOM_)   |

## A.7.27 MODEMTYPE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | modemType  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.1.17   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).systemInfo(1).modemType(17) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | systemInfo   |
| <b>Prev sibling</b>     | operationMode  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | idr(0)   |
| <b>2</b>                | ibs(1)   |
| <b>3</b>                | di(2)  |
| <b>4</b>                | async(3)   |
| <b>5</b>                | efd(4)   |
| <b>6</b>                | custom(5)  |
| <b>7</b>                | aupc(8)  |
| <b>Description</b>      | Modem Type. (SMT_)   |

## A.7.28 TXPARAMETERS

|                     |  |
|---------------------|--|
| <b>Name</b>         | txParameters   |
| <b>OID</b>          | 1.3.6.1.4.1.6247.12.1.2  |
| <b>Full path</b>    | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2) |
| <b>Module</b>       | SDM300L2_L3  |
| <b>Parent</b>       | sdm300L2_L3Objects   |
| <b>Prev sibling</b> | systemInfo   |
| <b>Next sibling</b> | rxParameters   |
| <b>Child</b>        | txFrequency  |
| <b>Type</b>         | OBJECT-IDENTIFIER  |

## A.7.29 TXFREQUENCY

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txFrequency   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.1   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txFrequency(1) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Next sibling</b>     | txModulatorType   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 9500000..17500000   |
| <b>Description</b>      | TX Frequency. Value multiplied by 10000. (MF_)  |



### A.7.30 TXMODULATORTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txModulatorType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.2   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txModulatorType(2) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | txFrequency   |
| <b>Next sibling</b>     | txRateSelect  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | intl(0)   |
| <b>2</b>                | efd(1)  |
| <b>3</b>                | csc(2)  |
| <b>4</b>                | fdc(3)  |
| <b>5</b>                | sdm51(4)  |
| <b>Description</b>      | Modulator Type. (MT_)   |

### A.7.31 TXRATESELECT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txRateSelect   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.3  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txRateSelect(3) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | txParameters   |
| <b>Prev sibling</b>     | txModulatorType  |
| <b>Next sibling</b>     | txEncoderType  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..13  |
| <b>Description</b>      | TX Rate Select. (SMRV_)  |

### A.7.32 TXENCODERTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txEncoderType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.4   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txEncoderType(4) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | txRateSelect  |
| <b>Next sibling</b>     | txSpecRotation  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | vit(0)  |
| 2                       | seq(1)  |
| 3                       | tur(2)  |
| <b>Description</b>      | TX Encoder Type. (MET_)   |

### A.7.33 TXSPECROTATION

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txSpecRotation   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.5  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txSpecRotation(5) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | txParameters   |
| <b>Prev sibling</b>     | txEncoderType  |
| <b>Next sibling</b>     | txScrambler  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | nrm(0)   |
| 2                       | inv(1)   |
| <b>Description</b>      | TX Spectrum Rotation. (MSR_)   |

### A.7.34 TXSCRAMBLER

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txScrambler   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.6   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txScrambler(6) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | txSpecRotation  |
| <b>Next sibling</b>     | txDifferentialEncoder   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | TX Scrambler Enable. (SE_)  |

### A.7.35 TXDIFFERENTIALENCODER

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txDifferentialEncoder   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.7   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txDifferentialEncoder(7) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | txScrambler   |
| <b>Next sibling</b>     | txPowerLevel  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | TX Differential Encoder. (DENC_)  |

### A.7.36 txPOWERLEVEL

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txPowerLevel   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.8  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txPowerLevel(8) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | txParameters   |
| <b>Prev sibling</b>     | txDifferentialEncoder  |
| <b>Next sibling</b>     | txPowerOffset  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | -400..0  |
| <b>Description</b>      | TX Power Level. Value multiplied by 10. (MOP_)   |

### A.7.37 txPOWEROFFSET

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txPowerOffset   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.9   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txPowerOffset(9) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | txPowerLevel  |
| <b>Next sibling</b>     | rfOutput  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -990..990   |
| <b>Units</b>            | dB  |
| <b>Description</b>      | TX Power Offset. Value multiplied by 10. (MPO_)   |

### A.7.38 RFOUTPUT

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rfOutput  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.10  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).rfOutput(10) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | txPowerOffset   |
| <b>Next sibling</b>     | txRSEnable  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | RF Output. (RF_)  |

### A.7.39 TXRSENABLE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txRSEnable  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.11  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txRSEnable(11) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | rfOutput  |
| <b>Next sibling</b>     | txRSInterleave  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | TX Reed-Solomon Enable. (RSEN_)   |

### A.7.40 TXRSINTERLEAVE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txRSInterleave  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.12  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txRSInterleave(12) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | txRSEnable  |
| <b>Next sibling</b>     | txBPSKBitOrder  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 4   |
| <b>2</b>                | 8   |
| <b>3</b>                | 16  |
| <b>Description</b>      | TX Reed-Solomon Interleave Value. (TRSI_)   |

### A.7.41 TXBPSKBITORDER

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txBPSKBitOrder  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.13  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txBPSKBitOrder(13) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | txParameters  |
| <b>Prev sibling</b>     | txRSInterleave  |
| <b>Next sibling</b>     | txIESS310   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | nrm(0)  |
| <b>2</b>                | inv(1)  |
| <b>Description</b>      | TX BPSK Data Ordering. (TDA_)   |

### A.7.42 txIESS310

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txIESS310  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.14   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txIESS310(14) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | txParameters   |
| <b>Prev sibling</b>     | txBPSKBitOrder   |
| <b>Next sibling</b>     | txFSKoutput  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | TX 8PSK 2/3 IESS-310 Operation. (T310_)  |

### A.7.43 txFSKOUTPUT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txFSKoutput  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.2.15   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).txParameters(2).txFSKOutput(15) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | txParameters   |
| <b>Prev sibling</b>     | txIESS310  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | TX FSK Output. (FSK_)  |

### A.7.44 RXPARAMETERS

|                     |  |
|---------------------|--|
| <b>Name</b>         | rxParameters   |
| <b>OID</b>          | 1.3.6.1.4.1.6247.12.1.3  |
| <b>Full path</b>    | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3) |
| <b>Module</b>       | SDM300L2_L3  |
| <b>Parent</b>       | sdm300L2_L3Objects   |
| <b>Prev sibling</b> | txParameters   |
| <b>Next sibling</b> | interfaceParameters  |
| <b>Child</b>        | rxFrequency  |
| <b>Type</b>         | OBJECT-IDENTIFIER  |

### A.7.45 RXFREQUENCY

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxFrequency   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.1   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxFrequency(1) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Next sibling</b>     | rxDemodulatorType   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 9500000..17500000   |
| <b>Description</b>      | RX Frequency. Value multiplied by 10000. (DF_)  |



### A.7.46 RXDEMODULATORTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxDemodulatorType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.2   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxDemodulatorType(2) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxFrequency   |
| <b>Next sibling</b>     | rxRateSelect  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | intl(0)   |
| <b>2</b>                | efd(1)  |
| <b>3</b>                | csc(2)  |
| <b>4</b>                | fdc(3)  |
| <b>Description</b>      | Demodulator Type. (DT_)   |

### A.7.47 RXRATESELECT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxRateSelect   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.3  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxRateSelect(3) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | rxParameters   |
| <b>Prev sibling</b>     | rxDemodulatorType  |
| <b>Next sibling</b>     | rxDecoderType  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..13  |
| <b>Description</b>      | RX Rate Select. (SDRV_)  |

## A.7.48 RXDECODERTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxDecoderType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.4   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxDecoderType(4) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxRateSelect  |
| <b>Next sibling</b>     | rxSpecRotation  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | vit(0)  |
| <b>2</b>                | seq(1)  |
| <b>3</b>                | tur(2)  |
| <b>Description</b>      | RX Decoder Type. (DDT_)   |

## A.7.49 RXSPECROTATION

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxSpecRotation   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.5  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxSpecRotation(5) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | rxParameters   |
| <b>Prev sibling</b>     | rxDecoderType  |
| <b>Next sibling</b>     | rxDescrambler  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | nrm(0)   |
| <b>2</b>                | inv(1)   |
| <b>Description</b>      | RX Spectrum Rotation. (DSR_)   |

## A.7.50 RXDESCRAMBLER

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxDescrambler   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.6   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxDescrambler(6) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxSpecRotation  |
| <b>Next sibling</b>     | rxDifferentialDecoder   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | RX Descrambler Enable. (DE_)  |

## A.7.51 RXDIFFERENTIALDECODER

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxDifferentialDecoder   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.7   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxDifferentialDecoder(7) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxDescrambler   |
| <b>Next sibling</b>     | rxSweepCenter   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | RX Differential Decoder. (DDEC_)  |

## A.7.52 RXSWEEPCENTER

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxSweepCenter   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.8   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxSweepCenter(8) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxDifferentialDecoder   |
| <b>Next sibling</b>     | rxSweepRange  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -75000..75000   |
| <b>Units</b>            | hertz   |
| <b>Description</b>      | RX Sweep Center Frequency. (SCF_)   |

## A.7.53 RXSWEEPRANGE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxSweepRange   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.9  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxSweepRange(9) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | rxParameters   |
| <b>Prev sibling</b>     | rxSweepCenter  |
| <b>Next sibling</b>     | rxSwpReacquisition   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..150000  |
| <b>Units</b>            | hertz  |
| <b>Description</b>      | RX Sweep Width Range. (SWR_)   |

## A.7.54 RXSWPREACQUISITION

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxSwpReacquisition  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.10  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxSwpReacquisition(10) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxSweepRange  |
| <b>Next sibling</b>     | rxRSEnable  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..999  |
| <b>Units</b>            | seconds   |
| <b>Description</b>      | RX Sweep Reacquisition. (SR_)   |

## A.7.55 RXRSEENABLE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxRSEnable  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.11  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxRSEnable(11) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxSwpReacquisition  |
| <b>Next sibling</b>     | rxRSInterleave  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>3</b>                | corr_off(2)   |
| <b>Description</b>      | RX Reed-Solomon Enable. (RSDE_)   |

### A.7.56 rxRSINTERLEAVE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxRSInterleave  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.12  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxRSInterleave(12) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxRSEnable  |
| <b>Next sibling</b>     | rxBPSKBitOrder  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 4   |
| <b>2</b>                | 8   |
| <b>3</b>                | 16  |
| <b>Description</b>      | RX Reed-Solomon Interleave Value. (RRSI_)   |

### A.7.57 rxBPSKBITORDER

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxBPSKBitOrder  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.13  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxBPSKBitOrder(13) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | rxParameters  |
| <b>Prev sibling</b>     | rxRSInterleave  |
| <b>Next sibling</b>     | rxIESS310   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | nrm(0)  |
| <b>2</b>                | inv(1)  |
| <b>Description</b>      | RX BPSK Data Ordering. (RDA_)   |

## A.7.58 rxIESS310

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxIESS310  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.3.14   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).rxParameters(3).rxIESS310(14) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | rxParameters   |
| <b>Prev sibling</b>     | rxBPSKBitOrder   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | RX 8PSK 2/3 IESS-310 Operation. (R310_)  |

## A.7.59 INTERFACEPARAMETERS

|                     |   |
|---------------------|---|
| <b>Name</b>         | interfaceParameters   |
| <b>OID</b>          | 1.3.6.1.4.1.6247.12.1.4   |
| <b>Full path</b>    | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4) |
| <b>Module</b>       | SDM300L2_L3   |
| <b>Parent</b>       | sdm300L2_L3Objects  |
| <b>Prev sibling</b> | rxParameters  |
| <b>Next sibling</b> | utilityParameters   |
| <b>Child</b>        | modemReference  |
| <b>Type</b>         | OBJECT-IDENTIFIER   |

## A.7.60 MODEMREFERENCE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | modemReference  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.1   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).modemReference(1) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Next sibling</b>     | txOverheadType  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | int(0)  |
| <b>2</b>                | ext1(1)   |
| <b>3</b>                | ext5(2)   |
| <b>4</b>                | ext10(3)  |
| <b>5</b>                | ext20(4)  |
| <b>6</b>                | out10(5)  |
| <b>Description</b>      | Modem Reference Clock. (MRC_)   |



## A.7.61 TXOVERHEADTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txOverheadType  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.2   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).txOverheadType(2) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | modemReference  |
| <b>Next sibling</b>     | rxOverheadType  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | none(0)   |
| <b>2</b>                | idr(1)  |
| <b>3</b>                | ibs(2)  |
| <b>4</b>                | di(3)   |
| <b>5</b>                | async(4)  |
| <b>6</b>                | aupc(5)   |
| <b>Description</b>      | TX Overhead Type. (ITOT_)   |

## A.7.62 RXOVERHEADTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxOverheadType  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.3   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxOverheadType(3) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | txOverheadType  |
| <b>Next sibling</b>     | txDataFault   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | none(0)   |
| <b>2</b>                | idr(1)  |
| <b>3</b>                | ibs(2)  |
| <b>4</b>                | di(3)   |
| <b>5</b>                | async(4)  |
| <b>6</b>                | aupc(5)   |
| <b>Description</b>      | RX Overhead Type. (IROT_)   |

## A.7.63 TXDATAFAULT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txDataFault  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.4  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).txDataFault(4) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | rxOverheadType   |
| <b>Next sibling</b>     | rxDataFault  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | none(0)  |
| <b>2</b>                | data(1)  |
| <b>3</b>                | ais(2)   |
| <b>Description</b>      | TX Data Fault. (TDF_)  |

## A.7.64 RXDATAFAULT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxDataFault  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.5  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxDataFault(5) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | txDataFault  |
| <b>Next sibling</b>     | txDataPhase  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | none(0)  |
| 2                       | data(1)  |
| 3                       | ais(2)   |
| <b>Description</b>      | RX Data Fault. (RDF_)  |

## A.7.65 TXDATA PHASE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txDataPhase  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.6  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).txDataPhase(6) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | rxDataFault  |
| <b>Next sibling</b>     | rxDataPhase  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | nrm(0)   |
| 2                       | inv(1)   |
| <b>Description</b>      | TX Data Phase. (TDP_)  |

## A.7.66 RXDATAPHASE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxDataPhase  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.7  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxDataPhase(7) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | txDataPhase  |
| <b>Next sibling</b>     | txDriverType   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | nrm(0)   |
| <b>2</b>                | inv(1)   |
| <b>Description</b>      | RX Data Phase. (RDP_)  |

## A.7.67 TXDRIVERTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txDriverType  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.8   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).txDriverType(8) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | rxDataPhase   |
| <b>Next sibling</b>     | rxDriverType  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | g703(0)   |
| <b>2</b>                | v35(1)  |
| <b>3</b>                | rs422(2)  |
| <b>4</b>                | rs232(3)  |
| <b>Description</b>      | TX Driver Type. (TXDR_)   |

## A.7.68 RXDRIVERTYPE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxDriverType  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.9   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxDriverType(9) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | txDriverType  |
| <b>Next sibling</b>     | txClockSource   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | g703(0)   |
| 2                       | v35(1)  |
| 3                       | rs422(2)  |
| 4                       | rs232(3)  |
| <b>Description</b>      | RX Driver Type. (RXDR_)   |

## A.7.69 TXCLOCKSOURCE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | txClockSource   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.10  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).txClockSource(10) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | rxDriverType  |
| <b>Next sibling</b>     | rxBufferClockSource   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | int(0)  |
| 2                       | ext(1)  |
| 3                       | ref(2)  |
| <b>Description</b>      | TX Clock Source. (TC_)  |

### A.7.70 RXBUFFERCLOCKSOURCE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxBufferClockSource   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.11  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxBufferClockSource(11) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | txClockSource   |
| <b>Next sibling</b>     | extClkRefFrequency  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | int(0)  |
| <b>2</b>                | ext(1)  |
| <b>3</b>                | sat(2)  |
| <b>4</b>                | ref(3)  |
| <b>5</b>                | ins(4)  |
| <b>Description</b>      | RX Buffer Clock Source. (BC_)   |

### A.7.71 EXTCLKREFFREQUENCY

|                         |  |
|-------------------------|--|
| <b>Name</b>             | extClkRefFrequency   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.12   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).extClkRefFrequency(12) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | rxBufferClockSource  |
| <b>Next sibling</b>     | txClockPhase   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 80..100000   |
| <b>Description</b>      | External Clock Reference Frequency. Value Multiplied by 10. (ERF_)   |

### A.7.72 TXCLOCKPHASE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txClockPhase   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.13   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).txClockPhase(13) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | extClkRefFrequency   |
| <b>Next sibling</b>     | rxClockPhase   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | nrm(0)   |
| 2                       | inv(1)   |
| 3                       | auto(2)  |
| <b>Description</b>      | TX Clock Phase. (TCP_)   |

### A.7.73 RXCLOCKPHASE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxClockPhase   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.14   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxClockPhase(14) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | txClockPhase   |
| <b>Next sibling</b>     | rxBufferSizeProgramming  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | nrm(0)   |
| 2                       | inv(1)   |
| <b>Description</b>      | RX Clock Phase. (RCP_)   |

### A.7.74 rxBUFFERSIZEPROGRAMMING

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxBufferSizeProgramming   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.15  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxBufferSizeProgramming(15) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | rxClockPhase  |
| <b>Next sibling</b>     | rxBufferSize  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | bits(0)   |
| <b>2</b>                | ms(1)   |
| <b>Description</b>      | Interface Buffer Programming. (IBP_)  |

### A.7.75 rxBUFFERSIZE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxBufferSize   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.16   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxBufferSize(16) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | rxBufferSizeProgramming  |
| <b>Next sibling</b>     | rxFramingStructureT1   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 1..6   |
| <b>Units</b>            | bits or ms   |
| <b>Description</b>      | Interface Buffer Size. (IBS_)  |



### A.7.76 RXFRAMINGSTRUCTURET1

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxFramingStructureT1   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.17   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxFramingStructureT1(17) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | rxBufferSize   |
| <b>Next sibling</b>     | rxFramingStructureE1   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | none(0)  |
| 2                       | g704(1)  |
| <b>Description</b>      | RX T1 Framing Structure. (IRFS_T1_)  |

### A.7.77 RXFRAMINGSTRUCTUREE1

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxFramingStructureE1   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.18   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxFramingStructureE1(18) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | rxFramingStructureT1   |
| <b>Next sibling</b>     | txCodingFormat   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | none(0)  |
| 2                       | g704(1)  |
| <b>Description</b>      | RX E1 Framing Structure. (IRFS_E1_)  |

### A.7.78 txCODINGFORMAT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txCodingFormat   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.19   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).txCodingFormat(19) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | rxFramingStructureE1   |
| <b>Next sibling</b>     | rxCodingFormat   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | ami(0)   |
| <b>2</b>                | hdb3(1)  |
| <b>3</b>                | b8zs(2)  |
| <b>Description</b>      | TX Coding Format. (ICFT_)  |

### A.7.79 rxCODINGFORMAT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxCodingFormat   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.20   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxCodingFormat(20) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | txCodingFormat   |
| <b>Next sibling</b>     | dropDataFormat   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | ami(0)   |
| <b>2</b>                | hdb3(1)  |
| <b>3</b>                | b8zs(2)  |
| <b>Description</b>      | RX Coding Format. (ICFR_)  |

## A.7.80 DROPDATAFORMAT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | dropDataFormat   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.21   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).dropDataFormat(21) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | rxCodingFormat   |
| <b>Next sibling</b>     | insertDataFormat   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | t1(0)  |
| <b>2</b>                | t1esf(1)   |
| <b>3</b>                | t1ibs(2)   |
| <b>4</b>                | e1ccs(3)   |
| <b>5</b>                | e1cas(4)   |
| <b>6</b>                | e1ibs(5)   |
| <b>7</b>                | e131ts(6)  |
| <b>8</b>                | t1s(7)   |
| <b>9</b>                | t1esfs(8)  |
| <b>Description</b>      | Drop Data Format. (DDF_)   |

## A.7.81 INSERTDATAFORMAT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | insertDataFormat   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.22   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).insertDataFormat(22) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | dropDataFormat   |
| <b>Next sibling</b>     | insertE1CRCEnable  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | t1(0)  |
| <b>2</b>                | t1esf(1)   |
| <b>3</b>                | t1ibs(2)   |
| <b>4</b>                | e1ccs(3)   |
| <b>5</b>                | e1cas(4)   |
| <b>6</b>                | e1ibs(5)   |
| <b>7</b>                | e131ts(6)  |
| <b>8</b>                | t1s(7)   |
| <b>9</b>                | t1esfs(8)  |
| <b>Description</b>      | Insert Data Format. (IDF_)   |

## A.7.82 INSERTE1CRCENABLE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | insertE1CRCEnable   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.23  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).insertE1CRCEnable(23) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | insertDataFormat  |
| <b>Next sibling</b>     | dropChAssignment  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | E1 Insert CRC Enable. (ICRC_)   |

## A.7.83 DROPCHASSIGNMENT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | dropChAssignment   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.24   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).dropChAssignment(24) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | insertE1CRCEnable  |
| <b>Next sibling</b>     | insertChAssignment   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 3..170   |
| <b>Description</b>      | Drop Channel/Time Slot Assignment. (BDCA_)   |

### A.7.84 INSERTCHASSIGNMENT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | insertChAssignment   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.25   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).insertChAssignment(25) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | dropChAssignment   |
| <b>Next sibling</b>     | idrTxESCType   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS   |
| <b>Base syntax</b>      | OCTET STRING   |
| <b>Composed syntax</b>  | OCTET STRING   |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 3..170   |
| <b>Description</b>      | Insert Channel/Time Slot Assignment. (BICA_)   |

### A.7.85 IDRTXESCTYPE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | idrTxESCType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.26   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).idrTxESCType(26) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | insertChAssignment   |
| <b>Next sibling</b>     | idrRxESCType   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | data(0)  |
| <b>2</b>                | audio(1)   |
| <b>Description</b>      | IDR TX ESC Type. (TET_)  |

## A.7.86 IDRRXESCTYPE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | idrRxESCType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.27   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).idrRxESCType(27) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | idrTxESCType   |
| <b>Next sibling</b>     | ibsTxESCType   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | data(0)  |
| <b>2</b>                | audio(1)   |
| <b>Description</b>      | IDR RX ESC Type. (RET_)  |

## A.7.87 IBSTXESCTYPE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | ibsTxESCType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.28   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).ibsTxESCType(28) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | idrRxESCType   |
| <b>Next sibling</b>     | ibsRxESCType   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | audio(1)   |
| <b>Description</b>      | IBS TX ESC Type. (IBST_)   |
| <b>Note:</b>            | TX IBS Overhead only.  |

## A.7.88 IBSRXESCTYPE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | ibsRxESCType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.29   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).ibsRxESCType(29) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | ibsTxESCType   |
| <b>Next sibling</b>     | asyncTxOHBAudRate  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | audio(1)   |
| <b>Description</b>      | IBS RX ESC Type. (IBSR_)   |
| <b>Note:</b>            | RX IBS Overhead only.  |



## A.7.89 ASYNCTxOHBAUDRATE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | asyncTxOHBaudRate   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.30  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).asyncTxOHBaudRate(30) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | ibsRxESCType  |
| <b>Next sibling</b>     | asyncRxOHBaudRate   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 110   |
| <b>2</b>                | 150   |
| <b>3</b>                | 300   |
| <b>4</b>                | 600   |
| <b>5</b>                | 1200  |
| <b>6</b>                | 2400  |
| <b>7</b>                | 4800  |
| <b>8</b>                | 9600  |
| <b>9</b>                | 19200   |
| <b>10</b>               | 38400   |
| <b>Description</b>      | Async TX Overhead Baud Rate. (TOBR_)  |

## A.7.90 ASYNCRXOHBAUDRATE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | asyncRxOHBaudRate   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.31  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).asyncRxOHBaudRate(31) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | asyncTxOHBaudRate   |
| <b>Next sibling</b>     | asyncTxOHCharLength   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 110   |
| <b>2</b>                | 150   |
| <b>3</b>                | 300   |
| <b>4</b>                | 600   |
| <b>5</b>                | 1200  |
| <b>6</b>                | 2400  |
| <b>7</b>                | 4800  |
| <b>8</b>                | 9600  |
| <b>9</b>                | 19200   |
| <b>10</b>               | 38400   |
| <b>Description</b>      | Async RX Overhead Baud Rate. (ROBR_)  |

### A.7.91 ASYNCTxOHCHARLENGTH

|                         |   |
|-------------------------|---|
| <b>Name</b>             | asyncTxOHCharLength   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.32  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).asyncTxOHCharLength(32) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | asyncRxOHBAudRate   |
| <b>Next sibling</b>     | asyncRxOHCharLength   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 5   |
| <b>2</b>                | 6   |
| <b>3</b>                | 7   |
| <b>4</b>                | 8   |
| <b>Description</b>      | Async TX Channel Character Length. (TCCL_)  |

### A.7.92 ASYNCRxOHCHARLENGTH

|                         |   |
|-------------------------|---|
| <b>Name</b>             | asyncRxOHCharLength   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.33  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).asyncRxOHCharLength(33) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | asyncTxOHCharLength   |
| <b>Next sibling</b>     | asyncTxOHStopBits   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 5   |
| <b>2</b>                | 6   |
| <b>3</b>                | 7   |
| <b>4</b>                | 8   |
| <b>Description</b>      | Async RX Channel Character Length. (RCCL_)  |

### A.7.93 ASYNCTXOHSTOPBITS

|                         |   |
|-------------------------|---|
| <b>Name</b>             | asyncTxOHStopBits   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.34  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).asyncTxOHStopBits(34) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | asyncRxOHCharLength   |
| <b>Next sibling</b>     | asyncRxOHStopBits   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 1   |
| <b>2</b>                | 2   |
| <b>Description</b>      | Async TX Channel Stop Bits. (TCSB_)   |

### A.7.94 ASYNCRXOHSTOPBITS

|                         |   |
|-------------------------|---|
| <b>Name</b>             | asyncRxOHStopBits   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.35  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).asyncRxOHStopBits(35) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | asyncTxOHStopBits   |
| <b>Next sibling</b>     | asyncTxOHParity   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 1   |
| <b>2</b>                | 2   |
| <b>Description</b>      | Async RX Channel Stop Bits. (RCSB_)   |

### A.7.95 ASYNCTxOHPARITY

|                         |  |
|-------------------------|--|
| <b>Name</b>             | asyncTxOHParity  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.36   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).a syncTxOHParity(36) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | asyncRxOHStopBits  |
| <b>Next sibling</b>     | asyncRxOHParity  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | none(0)  |
| <b>2</b>                | odd(1)   |
| <b>3</b>                | even(2)  |
| <b>Description</b>      | Async TX Overhead Channel Parity. (TOCP_)  |

### A.7.96 ASYNCRxOHPARITY

|                         |  |
|-------------------------|--|
| <b>Name</b>             | asyncRxOHParity  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.37   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).a syncRxOHParity(37) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | asyncTxOHParity  |
| <b>Next sibling</b>     | asyncTxOHCommType  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | none(0)  |
| <b>2</b>                | odd(1)   |
| <b>3</b>                | even(2)  |
| <b>Description</b>      | Async RX Overhead Channel Parity. (ROCP_)  |

### A.7.97 ASYNCTxOHCOMMType

|                         |   |
|-------------------------|---|
| <b>Name</b>             | asyncTxOHCommType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.38  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).asyncTxOHCommType(38) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | asyncRxOHParity   |
| <b>Next sibling</b>     | asyncRxOHCommType   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | rs232(0)  |
| 2                       | rs485(1)  |
| 3                       | rs4852w(2)  |
| <b>Description</b>      | Async TX Communications Type. (TCT_)  |

### A.7.98 ASYNCRxOHCOMMType

|                         |   |
|-------------------------|---|
| <b>Name</b>             | asyncRxOHCommType   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.39  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).asyncRxOHCommType(39) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | interfaceParameters   |
| <b>Prev sibling</b>     | asyncTxOHCommType   |
| <b>Next sibling</b>     | rxBufferCenter  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | rs232(0)  |
| 2                       | rs485(1)  |
| <b>Description</b>      | Async RX Communications Type. (RCT_)  |

## A.7.99 rxBUFFERCENTER

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxBufferCenter   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.4.40   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).interfaceParameters(4).rxBufferCenter(40) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | interfaceParameters  |
| <b>Prev sibling</b>     | asyncRxOHCommType  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | yes(1)   |
| <b>Description</b>      | Interface Buffer Center. Write-only. (IBC_)  |

## A.7.100 UTILITYPARAMETERS

|                     |   |
|---------------------|---|
| <b>Name</b>         | utilityParameters   |
| <b>OID</b>          | 1.3.6.1.4.1.6247.12.1.5   |
| <b>Full path</b>    | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5) |
| <b>Module</b>       | SDM300L2_L3   |
| <b>Parent</b>       | sdm300L2_L3Objects  |
| <b>Prev sibling</b> | interfaceParameters   |
| <b>Next sibling</b> | aupcParameters  |
| <b>Child</b>        | ctsDelayTime  |
| <b>Type</b>         | OBJECT-IDENTIFIER   |

### A.7.101 CTSDELAYTIME

|                         |   |
|-------------------------|---|
| <b>Name</b>             | ctsDelayTime  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.1   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).ctsDelayTime(1) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Next sibling</b>     | serviceChannelLevelTX1  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..60   |
| <b>Units</b>            | seconds   |
| <b>Description</b>      | CTS Delay Time. (CTSD_)   |

### A.7.102 SERVICECHANNELLEVELTX1

|                         |   |
|-------------------------|---|
| <b>Name</b>             | serviceChannelLevelTX1  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.2   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).serviceChannelLevelTX1(2) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | ctsDelayTime  |
| <b>Next sibling</b>     | serviceChannelLevelTX2  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -20..10   |
| <b>Units</b>            | dBm   |
| <b>Description</b>      | TX1 Service Channel Level. (ISCL_TX1)   |



### A.7.103 SERVICECHANNELLEVELTX2

|                         |   |
|-------------------------|---|
| <b>Name</b>             | serviceChannelLevelTX2  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.3   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).serviceChannelLevelTX2(3) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | serviceChannelLevelTX1  |
| <b>Next sibling</b>     | serviceChannelLevelRX1  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -20..10   |
| <b>Units</b>            | dBm   |
| <b>Description</b>      | TX2 Service Channel Level. (ISCL_TX2)   |

### A.7.104 SERVICECHANNELLEVELRX1

|                         |   |
|-------------------------|---|
| <b>Name</b>             | serviceChannelLevelRX1  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.4   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).serviceChannelLevelRX1(4) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | serviceChannelLevelTX2  |
| <b>Next sibling</b>     | serviceChannelLevelRX2  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -20..10   |
| <b>Units</b>            | dBm   |
| <b>Description</b>      | RX1 Service Channel Level. (ISCL_RX1)   |

## A.7.105 SERVICECHANNELLEVELRX2

|                         |   |
|-------------------------|---|
| <b>Name</b>             | serviceChannelLevelRX2  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.5   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).serviceChannelLevelRX2(5) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | serviceChannelLevelRX1  |
| <b>Next sibling</b>     | idrBackwardAlarmEnableTX1   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -20..10   |
| <b>Units</b>            | dBm   |
| <b>Description</b>      | RX2 Service Channel Level. (ISCL_RX2)   |

## A.7.106 IDRBACKWARDALARMENABLETX1

|                         |  |
|-------------------------|--|
| <b>Name</b>             | idrBackwardAlarmEnableTX1  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.6  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).idrBackwardAlarmEnableTX1(6) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | serviceChannelLevelRX2   |
| <b>Next sibling</b>     | idrBackwardAlarmEnableTX2  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | TX1 IDR Backward Alarm Enable. (BW_TX1_)   |

### A.7.107 IDRBKWARDALARMENABLETX2

|                         |  |
|-------------------------|--|
| <b>Name</b>             | idrBackwardAlarmEnableTX2  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.7  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).idrBackwardAlarmEnableTX2(7) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | idrBackwardAlarmEnableTX1  |
| <b>Next sibling</b>     | idrBackwardAlarmEnableTX3  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | TX2 IDR Backward Alarm Enable. (BW_TX2_)   |

### A.7.108 IDRBKWARDALARMENABLETX3

|                         |  |
|-------------------------|--|
| <b>Name</b>             | idrBackwardAlarmEnableTX3  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.8  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).idrBackwardAlarmEnableTX3(8) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | idrBackwardAlarmEnableTX2  |
| <b>Next sibling</b>     | idrBackwardAlarmEnableTX4  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | TX3 IDR Backward Alarm Enable. (BW_TX3_)   |

### A.7.109 IDRBACKWARDALARMENABLETX4

|                         |  |
|-------------------------|--|
| <b>Name</b>             | idrBackwardAlarmEnableTX4  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.9  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).idrBackwardAlarmEnableTX4(9) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | idrBackwardAlarmEnableTX3  |
| <b>Next sibling</b>     | idrBackwardAlarmEnableRX1  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | TX4 IDR Backward Alarm Enable. (BW_TX4_)   |

### A.7.110 IDRBACKWARDALARMENABLERX1

|                         |   |
|-------------------------|---|
| <b>Name</b>             | idrBackwardAlarmEnableRX1   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.10  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).idrBackwardAlarmEnableRX1(10) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | idrBackwardAlarmEnableTX4   |
| <b>Next sibling</b>     | idrBackwardAlarmEnableRX2   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | RX1 IDR Backward Alarm Enable. (BW_RX1_)  |

### A.7.111 IDRBACKWARDALARMENABLERX2

|                         |   |
|-------------------------|---|
| <b>Name</b>             | idrBackwardAlarmEnableRX2   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.11  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).idrBackwardAlarmEnableRX2(11) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | idrBackwardAlarmEnableRX1   |
| <b>Next sibling</b>     | idrBackwardAlarmEnableRX3   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | RX2 IDR Backward Alarm Enable. (BW_RX2_)  |

### A.7.112 IDRBACKWARDALARMENABLERX3

|                         |   |
|-------------------------|---|
| <b>Name</b>             | idrBackwardAlarmEnableRX3   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.12  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).idrBackwardAlarmEnableRX3(12) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | idrBackwardAlarmEnableRX2   |
| <b>Next sibling</b>     | idrBackwardAlarmEnableRX4   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | RX3 IDR Backward Alarm Enable. (BW_RX3_)  |

### A.7.113 IDRBACKWARDALARMENABLERX4

|                         |   |
|-------------------------|---|
| <b>Name</b>             | idrBackwardAlarmEnableRX4   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.13  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).idrBackwardAlarmEnableRX4(13) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | idrBackwardAlarmEnableRX3   |
| <b>Next sibling</b>     | carrierOnlyMode   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | RX4 IDR Backward Alarm Enable. (BW_RX4_)  |

### A.7.114 CARRIERONLYMODE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | carrierOnlyMode   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.14  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).carrierOnlyMode(14) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | idrBackwardAlarmEnableRX4   |
| <b>Next sibling</b>     | ifLoopBack  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | dual(1)   |
| <b>3</b>                | offset(2)   |
| <b>4</b>                | center(3)   |
| <b>Description</b>      | Carrier Only Mode. (COM_)   |

## A.7.115 IFLOOPBACK

|                         |  |
|-------------------------|--|
| <b>Name</b>             | ifLoopBack   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.15   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).ifLoopBack(15) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | carrierOnlyMode  |
| <b>Next sibling</b>     | basebandLoopBack   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | off(0)   |
| 2                       | on(1)  |
| <b>Description</b>      | IF Loopback. (IFL_)  |

## A.7.116 BASEBANDLOOPBACK

|                         |  |
|-------------------------|--|
| <b>Name</b>             | basebandLoopBack   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.16   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).basebandLoopBack(16) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | ifLoopBack   |
| <b>Next sibling</b>     | interfaceLoopBack  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| 1                       | off(0)   |
| 2                       | on(1)  |
| <b>Description</b>      | Baseband Loopback. (BBL_)  |

## A.7.117 INTERFACELOOPBACK

|                         |   |
|-------------------------|---|
| <b>Name</b>             | interfaceLoopBack   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.17  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).interfaceLoopBack(17) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | basebandLoopBack  |
| <b>Next sibling</b>     | interfaceLoopTiming   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | Interface Loopback. (ILB_)  |

## A.7.118 INTERFACELOOPTIMING

|                         |   |
|-------------------------|---|
| <b>Name</b>             | interfaceLoopTiming   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.18  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).interfaceLoopTiming(18) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | interfaceLoopBack   |
| <b>Next sibling</b>     | rfModeControl   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | Interface Loop Timing. (ILT_)   |



## A.7.119 RFMODECONTROL

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rfModeControl   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.19  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).rfModeControl(19) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | interfaceLoopTiming   |
| <b>Next sibling</b>     | rtsControlTXIF  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | nrm(0)  |
| <b>2</b>                | pwr(1)  |
| <b>3</b>                | comm(2)   |
| <b>4</b>                | cd(3)   |
| <b>Description</b>      | RF Mode Control. (RFMD_)  |

## A.7.120 RTSCONTROLTXIF

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rtsControlTXIF   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.20   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).rtsControlTXIF(20) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | rfModeControl  |
| <b>Next sibling</b>     | substitutePattern  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | Description.   |

## A.7.121 SUBSTITUTEPATTERN

|                         |   |
|-------------------------|---|
| <b>Name</b>             | substitutePattern   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.21  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).substitutePattern(21) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | rtsControlTXIF  |
| <b>Next sibling</b>     | readErrorSelect   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | off(0)  |
| 2                       | on(1)   |
| <b>Description</b>      | Interface Substitute Pattern. (ISP_)  |

## A.7.122 READERRORSELECT

|                         |   |
|-------------------------|---|
| <b>Name</b>             | readErrorSelect   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.22  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).readErrorSelect(22) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | substitutePattern   |
| <b>Next sibling</b>     | rxBERThreshold  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| 1                       | off(0)  |
| 2                       | on(1)   |
| <b>Description</b>      | Interface Read Error Select. (IRE_)   |

### A.7.123 rxBERTHRESHOLD

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxBERThreshold   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.23   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).rxBERThreshold(23) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | readErrorSelect  |
| <b>Next sibling</b>     | InbPower   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | none(0)  |
| <b>2</b>                | e-3(3)   |
| <b>3</b>                | e-4(4)   |
| <b>4</b>                | e-5(5)   |
| <b>5</b>                | e-6(6)   |
| <b>6</b>                | e-7(7)   |
| <b>7</b>                | e-8(8)   |
| <b>Description</b>      | RX BER Threshold. (BERT_)  |

### A.7.124 LNBPOWER

|                         |  |
|-------------------------|--|
| <b>Name</b>             | InbPower   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.24   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).InbPower(24) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | rxBERThreshold   |
| <b>Next sibling</b>     | InbVoltage   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | LNB Power. (LNB_)  |

## A.7.125 LNBVOLTAGE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | InbVoltage   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.25   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).InbVoltage(25) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | InbPower   |
| <b>Next sibling</b>     | InbRefEnable   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 13   |
| <b>2</b>                | 18   |
| <b>3</b>                | 24   |
| <b>Units</b>            | volts  |
| <b>Description</b>      | LNB Voltage. (LNBV_)   |

## A.7.126 LNBREFENABLE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | InbRefEnable   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.26   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).InbRefEnable(26) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | InbVoltage   |
| <b>Next sibling</b>     | InbThresholdLow  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | LNB Reference Enable. (LNBR_)  |

## A.7.127 LNBTHRESHOLDLOW

|                         |   |
|-------------------------|---|
| <b>Name</b>             | InbThresholdLow   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.27  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).InbThresholdLow(27) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | InbRefEnable  |
| <b>Next sibling</b>     | InbThresholdHigh  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..500  |
| <b>Units</b>            | mA  |
| <b>Description</b>      | LNB Threshold Low. (LNBL_)  |

## A.7.128 LNBTHRESHOLDHIGH

|                         |  |
|-------------------------|--|
| <b>Name</b>             | InbThresholdHigh   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.28   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).InbThresholdHigh(28) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | InbThresholdLow  |
| <b>Next sibling</b>     | oduPower   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..500   |
| <b>Units</b>            | mA   |
| <b>Description</b>      | LNB Threshold High. (LNBH_)  |

## A.7.129 ODUPOWER

|                         |  |
|-------------------------|--|
| <b>Name</b>             | oduPower   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.29   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).oduPower(29) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | lnbThresholdHigh   |
| <b>Next sibling</b>     | oduRefEnable   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | ODU Power. (ODU_)  |

## A.7.130 ODUREFENABLE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | oduRefEnable   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.30   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).oduRefEnable(30) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | oduPower   |
| <b>Next sibling</b>     | oduThresholdLow  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | ODU Reference Enable. (ODUR_)  |

### A.7.131 ODUThresholdLow

|                         |   |
|-------------------------|---|
| <b>Name</b>             | oduThresholdLow   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.31  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).oduThresholdLow(31) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | oduRefEnable  |
| <b>Next sibling</b>     | oduThresholdHigh  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..4000   |
| <b>Units</b>            | mA  |
| <b>Description</b>      | ODU Power Monitor Low Current Threshold. (ODUL_)  |

### A.7.132 ODUThresholdHigh

|                         |  |
|-------------------------|--|
| <b>Name</b>             | oduThresholdHigh   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.32   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).oduThresholdHigh(32) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | oduThresholdLow  |
| <b>Next sibling</b>     | oduTXOutput  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..4000  |
| <b>Units</b>            | mA   |
| <b>Description</b>      | ODU Power Monitor High Current Threshold. (ODUH_)  |

### A.7.133 ODU TX OUTPUT

|                         |   |
|-------------------------|---|
| <b>Name</b>             | oduTXOutput   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.33  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).oduTXOutput(33) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | utilityParameters   |
| <b>Prev sibling</b>     | oduThresholdHigh  |
| <b>Next sibling</b>     | oduPowerLeveling  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | ODU TX Output. For SDM300-L3 only. (ODUO_)  |

### A.7.134 ODU POWER LEVELING

|                         |  |
|-------------------------|--|
| <b>Name</b>             | oduPowerLeveling   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.5.34   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).utilityParameters(5).oduPowerLeveling(34) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | utilityParameters  |
| <b>Prev sibling</b>     | oduTXOutput  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | Outdoor Unit Power Leveling. For SDM300-L3 only. (ODUP_)   |



## A.7.135 AUPCPARAMETERS

|                     |  |
|---------------------|--|
| <b>Name</b>         | aupcParameters   |
| <b>OID</b>          | 1.3.6.1.4.1.6247.12.1.6  |
| <b>Full path</b>    | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6) |
| <b>Module</b>       | SDM300L2_L3  |
| <b>Parent</b>       | sdm300L2_L3Objects   |
| <b>Prev sibling</b> | utilityParameters  |
| <b>Next sibling</b> | statusParameters   |
| <b>Child</b>        | localModemAUPCMode   |
| <b>Type</b>         | OBJECT-IDENTIFIER  |

## A.7.136 LOCALMODEMAUPCMODE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | localModemAUPCMode   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.1  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).localModemAUPCMode(1) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | aupcParameters   |
| <b>Next sibling</b>     | aupcLocalEnable  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | off(0)   |
| <b>2</b>                | on(1)  |
| <b>Description</b>      | Local Modem AUPC Mode. (LMA_)  |

### A.7.137 AUPCLOCALENABLE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | aupcLocalEnable   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.2   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).aupcLocalEnable(2) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | localModemAUPCMode  |
| <b>Next sibling</b>     | aupcNominalPwrLevel   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | AUPC Local Power Enable. (LPC_)   |

### A.7.138 AUPCNOMINALPWRLEVEL

|                         |   |
|-------------------------|---|
| <b>Name</b>             | aupcNominalPwrLevel   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.3   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).aupcNominalPwrLevel(3)             |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | aupcLocalEnable   |
| <b>Next sibling</b>     | aupcMaximumPwrLevel   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -400..0   |
| <b>Description</b>      | AUPC Nominal Power Level. Value multiplied by 10. (NOMP_) The nominal power range is modified relative to the value specified by the modulator power offset (MFO_). |

### A.7.139 AUPC**MAXIMUM**PWRLEVEL

|                         |   |
|-------------------------|---|
| <b>Name</b>             | aupcMaximumPwrLevel   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.4   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).aupcMaximumPwrLevel(4)             |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | aupcNominalPwrLevel   |
| <b>Next sibling</b>     | aupcMinimumPwrLevel   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -400..0   |
| <b>Description</b>      | AUPC Maximum Power Limit. Value multiplied by 10. (MAXP_) The nominal power range is modified relative to the value specified by the modulator power offset (MFO_). |

### A.7.140 AUPC**MINIMUM**PWRLEVEL

|                         |   |
|-------------------------|---|
| <b>Name</b>             | aupcMinimumPwrLevel   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.5   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).aupcMinimumPwrLevel(5)             |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | aupcMaximumPwrLevel   |
| <b>Next sibling</b>     | aupcEBN0Target  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Size list</b>        |   |
| <b>1</b>                | -400..0   |
| <b>Description</b>      | AUPC Minimum Power Limit. Value multiplied by 10. (MINP_) The nominal power range is modified relative to the value specified by the modulator power offset (MFO_). |

### A.7.141 AUPCEBN0TARGET

|                         |  |
|-------------------------|--|
| <b>Name</b>             | aupcEBN0Target   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.6  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).aupcEBN0Target(6) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | aupcParameters   |
| <b>Prev sibling</b>     | aupcMinimumPwrLevel  |
| <b>Next sibling</b>     | aupcMaxTrackRate   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 32..160  |
| <b>Description</b>      | AUPC Eb/No Target Set Point. Value multiplied by 10. (ENSP_)   |

### A.7.142 AUPCMAXTRACKRATE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | aupcMaxTrackRate   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.7  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).aupcMaxTrackRate(7) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | aupcParameters   |
| <b>Prev sibling</b>     | aupcEBN0Target   |
| <b>Next sibling</b>     | aupcLocalCDLossAction  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Size list</b>        |  |
| <b>1</b>                | 5..60  |
| <b>Description</b>      | AUPC Maximum Tracking Rate. (MAXT_)  |

### A.7.143 AUPCLOCALCDLOSSACTION

|                         |   |
|-------------------------|---|
| <b>Name</b>             | aupcLocalCDLossAction   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.8   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).aupcLocalCDLossAction(8) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | aupcMaxTrackRate  |
| <b>Next sibling</b>     | aupcRemoteCDLossAction  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | hold(0)   |
| <b>2</b>                | nom(1)  |
| <b>3</b>                | max(2)  |
| <b>Description</b>      | AUPC Local Carrier Loss Action. (LCL_)  |

### A.7.144 AUPCREMOTECDLOSSACTION

|                         |  |
|-------------------------|--|
| <b>Name</b>             | aupcRemoteCDLossAction   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.9  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).aupcRemoteCDLossAction(9) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | aupcParameters   |
| <b>Prev sibling</b>     | aupcLocalCDLossAction  |
| <b>Next sibling</b>     | remoteAUPCEnable   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-write   |
| <b>Value list</b>       |  |
| <b>1</b>                | hold(0)  |
| <b>2</b>                | nom(1)   |
| <b>3</b>                | max(2)   |
| <b>Description</b>      | AUPC Remote Carrier Loss Action. (RCL_)  |

## A.7.145 REMOTEAUPCENABLE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | remoteAUPCEnable  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.10  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).remoteAUPCEnable(10) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | aupcRemoteCDLossAction  |
| <b>Next sibling</b>     | remoteIntfSubstPattern  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | Remote AUPC Enable. (RPC_)  |

## A.7.146 REMOTEINTFSUBSTPATTERN

|                         |   |
|-------------------------|---|
| <b>Name</b>             | remoteIntfSubstPattern  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.11  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).remoteIntfSubstPattern(11) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | remoteAUPCEnable  |
| <b>Next sibling</b>     | remoteIntfBBLoopback  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | Remote Interface Substitution Pattern. (RISP_)  |

## A.7.147 REMOTEINTFBBLOOPBACK

|                         |   |
|-------------------------|---|
| <b>Name</b>             | remoteIntfBBLoopback  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.12  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).remoteIntfBBLoopback(12) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | remoteIntfSubstPattern  |
| <b>Next sibling</b>     | remoteEBNO  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-write  |
| <b>Value list</b>       |   |
| <b>1</b>                | off(0)  |
| <b>2</b>                | on(1)   |
| <b>Description</b>      | Remote Interface Baseband Loopback. (RBBL_)   |

## A.7.148 REMOTEEBNO

|                         |   |
|-------------------------|---|
| <b>Name</b>             | remoteEBNO  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.6.13  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).aupcParameters(6).remoteEBNO(13) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | aupcParameters  |
| <b>Prev sibling</b>     | remoteIntfBBLoopback  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | Integer32   |
| <b>Composed syntax</b>  | Integer32   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..2147483647   |
| <b>Description</b>      | Remote Eb/No. Value multiplied by 10E-10. (RRES_)   |

## A.7.149 STATUSPARAMETERS

|                     |  |
|---------------------|--|
| <b>Name</b>         | statusParameters   |
| <b>OID</b>          | 1.3.6.1.4.1.6247.12.1.7  |
| <b>Full path</b>    | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7) |
| <b>Module</b>       | SDM300L2_L3  |
| <b>Parent</b>       | sdm300L2_L3Objects   |
| <b>Prev sibling</b> | aupcParameters   |
| <b>Next sibling</b> | trapNotifications  |
| <b>Child</b>        | rxRawBER   |
| <b>Type</b>         | OBJECT-IDENTIFIER  |

## A.7.150 RXRAWBER

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxRawBER   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.1  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).rxRawBER(1) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Next sibling</b>     | rxCorrectedBER   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | Integer32  |
| <b>Composed syntax</b>  | Integer32  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..2147483647  |
| <b>Description</b>      | Raw BER. Value multiplied by 10E-10. (RBER_)   |



### A.7.151 rxCORRECTEDBER

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxCorrectedBER   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.2  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).rxCorrectedBER(2) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | rxRawBER   |
| <b>Next sibling</b>     | rxEbno   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | Integer32  |
| <b>Composed syntax</b>  | Integer32  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..2147483647  |
| <b>Description</b>      | Corrected BER. Value multiplied by 10E-10. (CBER_)   |

### A.7.152 rxEbno

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxEbno   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.3  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).rxEbno(3) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | rxCorrectedBER   |
| <b>Next sibling</b>     | rxSignalLevel  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 10..999  |
| <b>Description</b>      | Eb/No Status. Value multiplied by 10. (EBNO_)  |

### A.7.153 RXSIGNALLEVEL

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxSignalLevel   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.4   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).rxSignalLevel(4) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | statusParameters  |
| <b>Prev sibling</b>     | rxEbno  |
| <b>Next sibling</b>     | rxSweepValue  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..999  |
| <b>Description</b>      | RX Signal Level. Value multiplied by 10. (RSL_)   |

### A.7.154 RXSWEEPVALUE

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxSweepValue   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.5  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).rxSweepValue(5) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | rxSignalLevel  |
| <b>Next sibling</b>     | rxbufferFillState  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | -75000..75000  |
| <b>Units</b>            | hertz  |
| <b>Description</b>      | Current Sweep Value. (CSV_)  |

## A.7.155 RXBUFFERFILLSTATE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | rxbufferFillState   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.6   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).rxbufferFillState(6) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | statusParameters  |
| <b>Prev sibling</b>     | rxSweepValue  |
| <b>Next sibling</b>     | rxLNBCurrent  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 1..99   |
| <b>Units</b>            | percent   |
| <b>Description</b>      | Interface Buffer Fill Status. (IBFS_)   |

## A.7.156 RXLNBCURRENT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxLNBCurrent   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.7  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).rxLNBCurrent(7) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | rxbufferFillState  |
| <b>Next sibling</b>     | txODUCurrent   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..500   |
| <b>Units</b>            | mA   |
| <b>Description</b>      | RX LNB Current. (LNBC_)  |

## A.7.157 TXODUCURRENT

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txODUCurrent   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.8  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).txODUCurrent(8) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | rxLNBCurrent   |
| <b>Next sibling</b>     | modemFaultStatus   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..4000  |
| <b>Units</b>            | mA   |
| <b>Description</b>      | TX ODU Current. (ODUC_)  |

## A.7.158 MODEMFAULTSTATUS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | modemFaultStatus   |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.9  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).modemFaultStatus(9) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | txODUCurrent   |
| <b>Next sibling</b>     | modulatorStatus  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..127   |
| <b>Description</b>      | Modem Fault Status. (MFS_)   |
|                         | Bit 0 = Demodulator (0=OK, 1=FLT)  |
|                         | Bit 1 = Modulator (0=OK, 1=FLT)  |
|                         | Bit 2 = Transmit Interface (0=OK, 1=FLT)   |
|                         | Bit 3 = Receive Interface (0=OK, 1=FLT)  |
|                         | Bit 4 = Common Equipment (0=OK, 1=FLT)   |
|                         | Bit 5 = Backward Alarms (0=OK, 1=FLT)  |
|                         | Bit 6 = Outdoor Unit (0=OK, 1=FLT)   |

## A.7.159 MODULATORSTATUS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | modulatorStatus  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.10   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).modulatorStatus(10) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | modemFaultStatus   |
| <b>Next sibling</b>     | demodulatorStatus  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..511   |
| <b>Description</b>      | Modulator Status. (MS_)  |
|                         | Bit 0 = Module (0=OK, 1=FLT)   |
|                         | Bit 1 = IF Synthesizer (0=OK, 1=FLT)   |
|                         | Bit 2 = Data Clock Synthesizer (0=OK, 1=FLT)   |
|                         | Bit 3 = I Channel (0=OK, 1=FLT)  |
|                         | Bit 4 = Q Channel (0=OK, 1=FLT)  |
|                         | Bit 5 = AGC Level (0=OK, 1=FLT)  |
|                         | Bit 6 = Modem Ref PLL Lock (0=OK, 1=FLT)   |
|                         | Bit 7 = Modem Ref Activity (0=OK, 1=FLT)   |
|                         | Bit 8 = Configuration (0=OK, 1=FLT)  |

## A.7.160 DEMODULATORSTATUS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | demodulatorStatus  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.11   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).demodulatorStatus(11) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | modulatorStatus  |
| <b>Next sibling</b>     | txInterfaceStatus  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..255   |
| <b>Description</b>      | Demodulator Status. (DS_)  |
|                         | Bit 0 = Demod Module (0=OK, 1=FLT)   |
|                         | Bit 1 = Carrier Detect (0=OK, 1=FLT)   |
|                         | Bit 2 = IF Synthesizer Lock (0=OK, 1=FLT)  |
|                         | Bit 3 = I Channel (0=OK, 1=FLT)  |
|                         | Bit 4 = Q Channel (0=OK, 1=FLT)  |
|                         | Bit 5 = BER Threshold (0=OK, 1=FLT)  |
|                         | Bit 6 = Configuration (0=OK, 1=FLT)  |
|                         | Bit 7 = LNB (0=OK, 1=FLT)  |

## A.7.161 TXINTERFACESTATUS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | txInterfaceStatus  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.12   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).txInterfaceStatus(12) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | demodulatorStatus  |
| <b>Next sibling</b>     | rxInterfaceStatus  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..127   |
| <b>Description</b>      | TX Interface Status. (ITXS_)   |
|                         | Bit 0 = D&I Drop (0=OK, 1=FLT)   |
|                         | Bit 1 = Tx Data / AIS (0=OK, 1=FLT)  |
|                         | Bit 2 = Tx Synthesizer PLL Lock (0=OK, 1=FLT)  |
|                         | Bit 3 = Selected Tx clock Activity (0=OK, 1=FLT)   |
|                         | Bit 4 = Tx Audio Clip Channel #1 (0=OK, 1=FLT)   |
|                         | Bit 5 = Tx Audio Clip Channel #2 (0=OK, 1=FLT)   |
|                         | Bit 6 = Configuration (0=OK, 1=FLT)  |



## A.7.162 RXINTERFACESTATUS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | rxInterfaceStatus  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.13   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).rxInterfaceStatus(13) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | txInterfaceStatus  |
| <b>Next sibling</b>     | commonEquipStatus  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..16383   |
| <b>Description</b>      | RX Interface Status. (IRXS_)   |
|                         | Bit 0 = Buffer Underflow (0=OK, 1=FLT)   |
|                         | Bit 1 = Buffer Overflow (0=OK, 1=FLT)  |
|                         | Bit 2 = Rx Data Loss / AIS (0=OK, 1=FLT)   |
|                         | Bit 3 = Frame BER (0=OK, 1=FLT)  |
|                         | Bit 4 = Rx Backward Alarm (0=OK, 1=FLT)  |
|                         | Bit 5 = Selected Buffer Clock Activity (0=OK, 1=FLT)   |
|                         | Bit 6 = Buffer Clock PLL Lock (0=OK, 1=FLT)  |
|                         | Bit 7 = Demux Lock (0=OK, 1=FLT)   |
|                         | Bit 8 = 2047 Pattern Lock detect (0=OK, 1=FLT)   |
|                         | Bit 9 = Buffer Full (0=OK, 1=FLT)  |
|                         | Bit 10 = D&I Insert (0=OK, 1=FLT)  |
|                         | Bit 11 = Rx Audio Clip Channel #1 (0=OK, 1=FLT)  |
|                         | Bit 12 = Rx Audio Clip Channel #2 (0=OK, 1=FLT)  |
|                         | Bit 13 = Configuration (0=OK, 1=FLT)   |

## A.7.163 COMMONEQUIPSTATUS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | commonEquipStatus  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.14   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).commonEquipStatus(14) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | rxInterfaceStatus  |
| <b>Next sibling</b>     | backwardAlarmStatus  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..127   |
| <b>Description</b>      | Common Equipment Status. (CES_)  |
|                         | Bit 0 = M&C Module (0=OK, 1=FLT)   |
|                         | Bit 1 = Data Interface / Overhead Module (0=OK, 1=FLT)   |
|                         | Bit 2 = Battery / Clock (0=OK, 1=FLT)  |
|                         | Bit 3 = +5V Power Supply (0=OK, 1=FLT)   |
|                         | Bit 4 = +12V Power Supply(0=OK, 1=FLT)   |
|                         | Bit 5 = -12V Power Supply (0=OK, 1=FLT)  |
|                         | Bit 6 = Self Test (0=OK, 1=FLT)  |

## A.7.164 BACKWARDALARMSTATUS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | backwardAlarmStatus  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.15   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).backwardAlarmStatus(15) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | commonEquipStatus  |
| <b>Next sibling</b>     | oduStatus  |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..255   |
| <b>Description</b>      | Backward Alarm Status. (IAS_)  |
|                         | Bit 0 = Tx Backward Alarm #1 (0=OK, 1=FLT)   |
|                         | Bit 1 = Tx Backward Alarm #2 (0=OK, 1=FLT)   |
|                         | Bit 2 = Tx Backward Alarm #3 (0=OK, 1=FLT)   |
|                         | Bit 3 = Tx Backward Alarm #4 (0=OK, 1=FLT)   |
|                         | Bit 4 = Rx Backward Alarm #1 (0=OK, 1=FLT)   |
|                         | Bit 5 = Rx Backward Alarm #2 (0=OK, 1=FLT)   |
|                         | Bit 6 = Rx Backward Alarm #3 (0=OK, 1=FLT)   |
|                         | <b>Bit 7 = Rx Backward Alarm #4 (0=OK, 1=FLT)</b>  |

## A.7.165 ODUSTATUS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | oduStatus  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.16   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).oduStatus(16) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | backwardAlarmStatus  |
| <b>Next sibling</b>     | oduTemperature   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 0..3   |
| <b>Description</b>      | ODU Status. (OUS_)   |
|                         | Bit 0 = Current (0=OK, 1=FLT)  |
|                         | Bit 1 = Voltage (0=OK, 1=FLT)  |

## A.7.166 ODUTEMPERATURE

|                         |   |
|-------------------------|---|
| <b>Name</b>             | oduTemperature  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.17  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).oduTemperature(17) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | statusParameters  |
| <b>Prev sibling</b>     | oduStatus   |
| <b>Next sibling</b>     | oduPhaseLockLoop  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_OCTETS  |
| <b>Base syntax</b>      | OCTET STRING  |
| <b>Composed syntax</b>  | OCTET STRING  |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 11  |
| <b>Description</b>      | Outdoor Unit Temperature. For SDM300-L3 only. (ODUT_)   |

## A.7.167 ODU PHASE LOCK LOOP

|                         |   |
|-------------------------|---|
| <b>Name</b>             | oduPhaseLockLoop  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.18  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).oduPhaseLockLoop(18) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | statusParameters  |
| <b>Prev sibling</b>     | oduTemperature  |
| <b>Next sibling</b>     | oduSoftwareVersion  |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Value list</b>       |   |
| <b>1</b>                | unlocked(0)   |
| <b>2</b>                | ok(1)   |
| <b>Description</b>      | Outdoor Unit Phase Lock Loop. For SDM300-L3 only. (OPLL_)   |

## A.7.168 ODU SOFTWARE VERSION

|                         |   |
|-------------------------|---|
| <b>Name</b>             | oduSoftwareVersion  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.19  |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).oduSoftwareVersion(19) |
| <b>Module</b>           | SDM300L2_L3   |
| <b>Parent</b>           | statusParameters  |
| <b>Prev sibling</b>     | oduPhaseLockLoop  |
| <b>Next sibling</b>     | oduPowerClass   |
| <b>Type</b>             | OBJECT-TYPE   |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT   |
| <b>Base syntax</b>      | INTEGER   |
| <b>Composed syntax</b>  | INTEGER   |
| <b>Status</b>           | current   |
| <b>Max-access</b>       | read-only   |
| <b>Size list</b>        |   |
| <b>1</b>                | 0..15   |
| <b>Description</b>      | Outdoor Unit Software Version. For SDM300-L3 only. (OSV_)   |

## A.7.169 ODUPOWERCLASS

|                         |  |
|-------------------------|--|
| <b>Name</b>             | oduPowerClass  |
| <b>OID</b>              | 1.3.6.1.4.1.6247.12.1.7.20   |
| <b>Full path</b>        | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).statusParameters(7).oduPowerClass(20) |
| <b>Module</b>           | SDM300L2_L3  |
| <b>Parent</b>           | statusParameters   |
| <b>Prev sibling</b>     | oduSoftwareVersion   |
| <b>Type</b>             | OBJECT-TYPE  |
| <b>Numerical syntax</b> | SNMP_SYNTAX_INT  |
| <b>Base syntax</b>      | INTEGER  |
| <b>Composed syntax</b>  | INTEGER  |
| <b>Status</b>           | current  |
| <b>Max-access</b>       | read-only  |
| <b>Size list</b>        |  |
| <b>1</b>                | 2..60  |
| <b>Units</b>            | watts  |
| <b>Description</b>      | Outdoor Unit Power Class. For SDM300-L3 only. (OPC_)   |

## A.7.170 TRAPNOTIFICATIONS

|                     |   |
|---------------------|---|
| <b>Name</b>         | trapNotifications   |
| <b>OID</b>          | 1.3.6.1.4.1.6247.12.1.8   |
| <b>Full path</b>    | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).trapNotifications(8) |
| <b>Module</b>       | SDM300L2_L3   |
| <b>Parent</b>       | sdm300L2_L3Objects  |
| <b>Prev sibling</b> | statusParameters  |
| <b>Child</b>        | trapNotificationsPrefix   |
| <b>Type</b>         | OBJECT-IDENTIFIER   |

## A.7.171 TRAPNOTIFICATIONSPREFIX

|                  |  |
|------------------|--|
| <b>Name</b>      | trapNotificationsPrefix  |
| <b>OID</b>       | 1.3.6.1.4.1.6247.12.1.8.0  |
| <b>Full path</b> | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).trapNotifications(8).trapNotificationsPrefix(0) |
| <b>Module</b>    | SDM300L2_L3  |
| <b>Parent</b>    | trapNotifications  |
| <b>Child</b>     | unitFaultTraps   |
| <b>Type</b>      | OBJECT-IDENTIFIER  |

## A.7.172 UNITFAULTTRAPS

|                    |  |
|--------------------|--|
| <b>Name</b>        | unitFaultTraps   |
| <b>OID</b>         | 1.3.6.1.4.1.6247.12.1.8.0.1  |
| <b>Full path</b>   | iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).comtech(6247).sdm300L2_L3(12).sdm300L2_L3Objects(1).trapNotifications(8).trapNotificationsPrefix(0).unitFaultTraps(1) |
| <b>Module</b>      | SDM300L2_L3  |
| <b>Parent</b>      | trapNotificationsPrefix  |
| <b>Type</b>        | NOTIFICATION-TYPE  |
| <b>Objects</b>     |  |
| 1                  | modemFaultStatus   |
| <b>Description</b> | Unit Falut Trap using Modem Fault Status. (MFS_)   |
|                    | Bit 0 = Demodulator (0=OK, 1=FLT)  |
|                    | Bit 1 = Modulator (0=OK, 1=FLT)  |
|                    | Bit 2 = Transmit Interface (0=OK, 1=FLT)   |
|                    | Bit 3 = Receive Interface (0=OK, 1=FLT)  |
|                    | Bit 4 = Common Equipment (0=OK, 1=FLT)   |
|                    | Bit 5 = Backward Alarms (0=OK, 1=FLT)  |
|                    | Bit 6 = Outdoor Unit (0=OK, 1=FLT)   |





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## METRIC CONVERSIONS

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### Units of Length

| Unit         | Centimeter          | Inch                | Foot                | Yard                | Mile                   | Meter               | Kilometer | Millimeter |
|--------------|---------------------|---------------------|---------------------|---------------------|------------------------|---------------------|-----------|------------|
| 1 centimeter | —                   | 0.3937              | 0.03281             | 0.01094             | $6.214 \times 10^{-6}$ | 0.01                | —         | —          |
| 1 inch       | 2.540               | —                   | 0.08333             | 0.2778              | $1.578 \times 10^{-5}$ | 0.254               | —         | 25.4       |
| 1 foot       | 30.480              | 12.0                | —                   | 0.3333              | $1.893 \times 10^{-4}$ | 0.3048              | —         | —          |
| 1 yard       | 91.44               | 36.0                | 3.0                 | —                   | $5.679 \times 10^{-4}$ | 0.9144              | —         | —          |
| 1 meter      | 100.0               | 39.37               | 3.281               | 1.094               | $6.214 \times 10^{-4}$ | —                   | —         | —          |
| 1 mile       | $1.609 \times 10^5$ | $6.336 \times 10^4$ | $5.280 \times 10^3$ | $1.760 \times 10^3$ | —                      | $1.609 \times 10^3$ | 1.609     | —          |
| 1 mm         | —                   | 0.03937             | —                   | —                   | —                      | —                   | —         | —          |
| 1 kilometer  | —                   | —                   | —                   | —                   | 0.621                  | —                   | —         | —          |

### Temperature Conversions

| Unit               | ° Fahrenheit | ° Centigrade          |
|--------------------|--------------|-----------------------|
| 32° Fahrenheit     | —            | 0<br>(water freezes)  |
| 212° Fahrenheit    | —            | 100<br>(water boils)  |
| -459.6° Fahrenheit | —            | 273.1<br>(absolute 0) |

| Formulas               |
|------------------------|
| $C = (F - 32) * 0.555$ |
| $F = (C * 1.8) + 32$   |

### Units of Weight

| Unit         | Gram              | Ounce Avoirdupois | Ounce Troy | Pound Avoir. | Pound Troy | Kilogram |
|--------------|-------------------|-------------------|------------|--------------|------------|----------|
| 1 gram       | —                 | 0.03527           | 0.03215    | 0.002205     | 0.002679   | 0.001    |
| 1 oz. avoir. | 28.35             | —                 | 0.9115     | 0.0625       | 0.07595    | 0.02835  |
| 1 oz. troy   | 31.10             | 1.097             | —          | 0.06857      | 0.08333    | 0.03110  |
| 1 lb. avoir. | 453.6             | 16.0              | 14.58      | —            | 1.215      | 0.4536   |
| 1 lb. Troy   | 373.2             | 13.17             | 12.0       | 0.8229       | —          | 0.3732   |
| 1 kilogram   | $1.0 \times 10^3$ | 35.27             | 32.15      | 2.205        | 2.679      | —        |



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