



## GENERAL HIGHLIGHTS

The Media Router 8500 (CMR-8500) is a next generation IP Encapsulator. The CMR-8500 provides an input Gigabit Ethernet (GE) input port and a GE out port for the encapsulation of IP datagrams using ISO/EC 13818-6 Multiprotocol Encapsulation (MPE) over Asynchronous Serial Interface (ASI).

## FEATURES

- Support for 80,000 IP Routes
- CCM operation over ASI
- 2 GE 10/100/1000BaseT Ethernet Interfaces
- 1 FE 10/100BaseT Ethernet Interface
- Front Panel Keypad/LCD/LED User Interface

## RELIABLE OPERATIONS

- No hard drive – All firmware boots from Flash resulting in no moving parts
- High availability product
- Embedded CPU and eCOS operating system
- Over 100,000 hours MTBF
- 1:1 Redundant support

## APPLICATIONS

- Fast Internet / intranet
- Streaming Audio / Video
- IP Multicasting
- Business TV, training, e-learning or live events
- Multicast file transfer
- Support for point-to-point Unicast transfer
- Supports transport stream over IP

## EASE OF USE

- Configuration options: Terminal, HTTP or Telnet
- SNMP MIB II & Private MIB with traps

## INVESTMENT PROTECTION

- Upgrade firmware individually via TFTP or FTP

## COMPLIANCE

- DVB-S (ETSI 300 421)
- DVB-S2 (ETSI EN 302 307)
- DVB Data Broadcasting (ETSI EN 301 192)

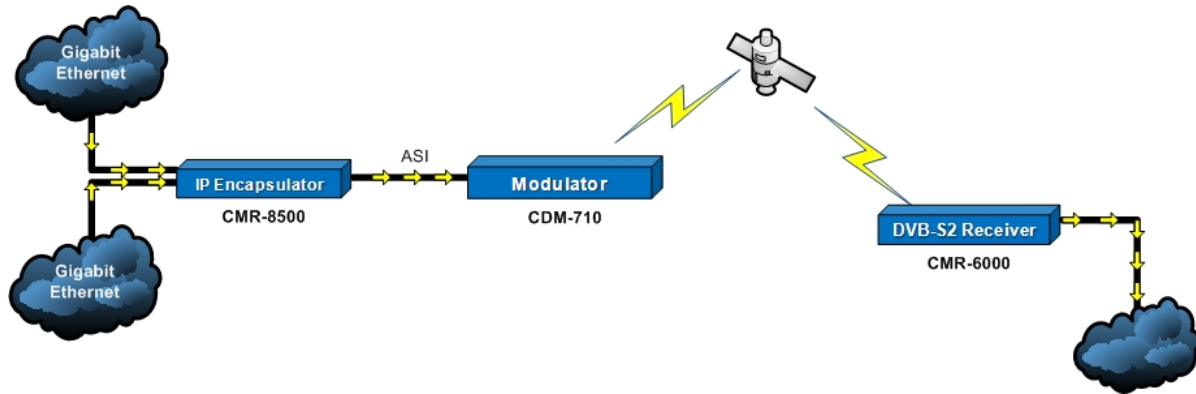
## Keypad/LCD

- 2x20 LCD Display Blue Display
- Six-button user interface
  - Up
  - Down
  - Left
  - Right
  - Enter
  - Clear

## DISPLAY LEDs

- STATUS (Red/Green)
- ASI IN 1 (Green Future)
- ASI IN 2 (Green Future)
- REDUN (Green Future)
- FE ACT (Yellow)
- GE1 ACT (Yellow)
- GE2 ACT (Yellow)
- MGT (Yellow)

## CMR-8500 IP Encapsulator



### PHYSICAL & POWER

- Length = 13.00" (33.0 cm)
- Width = 19.00" (48.3 cm)
- Height = 1.73" (4.4 cm)
- Power consumption: 50 W max
- Input Voltage: Universal 100 to 240VAC 50/60Hz

### ENVIRONMENT

- Operating temperature: 0° to 40°C
- Storage temperature: -30° to 65°C
- Humidity: 10% to 75% non-condensing

### CONNECTORS

- RJ-45: FE 10/100BaseT Ethernet interface
- RJ-45: GE1 10/100/1000BaseT Ethernet Interface
- RJ-45: GE2 10/100/1000BaseT Ethernet Interface
- RJ-12: Terminal (RS-232)
- BNC: ASI OUT 1
- BNC: INT CLOCK OUT (Future)
- RJ-12: Aux port for serial control (Future)
- USB 2.0 Host A Interface Front Panel (Future)

### OPERATIONAL SUPPORT

- Multicast and Unicast Routing
- 80,000 Simultaneous IP Routes
- Section Packing enabled on a route-by-route basis

### OPTIONAL FEATURES (FAST OPTIONS)

- ASI Support for CCM (default Option)
  - 0.5 Mbps to 100 Mbps
  - 188- or 204-byte Mode
- 8,192 PIDs Supported
- PSI Support for up to 1,000 IP Routes

### PERFORMANCE OPTIONS

- 10 Mbps (default)
- 20 Mbps
- 40 Mbps
- 85 Mbps
- 100 Mbps

