



## Alcatel 9774-4xx series of Indoor Power Supply units

### Product Description

The Alcatel 9774- series of indoor power supply units are low-cost, compact and modular devices, mainly used to power outdoor RF equipment like Block-upconverters , Block-downconverters and RF boosters.

Combined with the Alcatel 9774-series C band Block upconverters and C band Boosters, it provides a complete solution to a VSAT integrator.

Different power and voltage ranges are available in order to drive most of the RF devices on the market.

### Ordering info

A9774-419	Power supply unit Booster	48V / 200W
A9774-420	Power supply unit BUC and booster	48V 80+200W
A9774-428	Power supply unit BUC	48V / 80W
A9774-429	Optional External 10MHz injection	
A9774-430	Optional DC voltages / power	12V / 24V Up to 300W

### Main Characteristics

- Space saving 1U drawer
- Current sensing
- DC power on RF feed line
- DC power connector for higher power units
- External 10MHz injection
- Power factor correction

### Applications

- Voice, data and digital/analogue video transmissions
- VSAT applications





## Electrical Specifications

- Input voltage : 90 VAC to 264 VAC
- Input Frequency : 47 Hz to 63 Hz
- DC output voltage :
  - 48V on RF coaxial feed line
  - 48V on connector
- Output voltage tolerance :  $\pm 1\%$
- Output rated current :
  - 1,6A on RF coaxial feed line
  - 4,3A on dedicated connector
- Ripple & Noise :  $< 200\text{mVpp}$
- Efficiency :  $\pm 85\%$  typical
- Power factor :  $> 0.95$

## General Characteristics

- Operating temperature : 0 to  $+50^{\circ}\text{C}$
- Storage temperature :  $-20$  to  $+85^{\circ}\text{C}$
- Weight : 4 kg max

## Interfaces

- RF input interface :  $75\ \Omega$  BNC-type female
- RF output interface :  $50\ \Omega$  N-type female
- Power : MIL-C-26482-I compatible size 10, 3-pins, male

## Options

- External 10MHz injection
- 12V / 24V versions
- Higher powers

### Alcatel Contacts

Alcatel Alenia Space Antwerp N.V.  
Berkenrodelei 33  
2660 Hoboken  
Belgium  
Tel : +32 3 829 50 50  
Fax : +32 3 829 50 02

**For further information,  
please contact:**

[asa.info@alcatelaleniaspace.com](mailto:asa.info@alcatelaleniaspace.com)

[www.alcatel.be/space](http://www.alcatel.be/space)