



Model Number: 2764-N5N5

RF Engineering and Custom Build

# 16 port LNB Power Supply

With switchable 13/18V & 22KHz tone & current monitoring (via RS232/422/485 Serial Port)



Front View of Model 2764-N5N5

This ETL LNB hot swap power supply unit, provides DC power for up to 16 LNBs. This can be switched between 13/18/0V and 22KHz tone on/off, both locally on the rear panel and remotely via a serial port. LNB current monitoring can also be done via the serial port on the rear panel, and front panel tri-colour LED's provide a visual status for each LNB port.

This unit also benefits from dual redundant hot-swap power supplies, which can be removed via the front panel. Each power supply has a status LED and can also be monitored via a dry contact alarm port on the rear panel.



Rear View of Model 2764 with 75 ohm F-type connectors

This particular unit has 50 ohm N-type connectors, but a range of impedances and connector types are available (model numbers will vary).





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## Technical specifications and operating parameters

### RF Parameters

Capacity	16 port
Frequency Range	850-2150 MHz (L-band)
Insertion Loss	<1 dB
Flatness	±0.5 dB
Return Loss	15 dB
Tone Injection	22kHz nominal ± 0.5V, switchable

### System Control

Display	Front Panel LED's for LNB Power & PSU status
Current Monitoring	Current for each LNB monitored & reported via Serial Port
Alarms	For low/high LNB current & PSU failure
Remote Control	Via RS232/422/485 Serial Port
Local Control	Via push buttons on rear panel to select 13/18V & 22KHz tone

### Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

### Physical

Input Connector	N-type
Input Impedance	50Ω
Output Connector	N-type
Output Impedance	50Ω
Dimensions	4U high x 350mm deep x 19" wide
Weight	12 kg
Colour	White 00-E-55 semi-gloss (Front panel)

### Power

AC Power	85-264V AC (50/60Hz), Fused 2A
LNB Power	13/18V switchable on/off, 500 mA fused & monitored
DC Power Available	125W, total available to all 16 ports with full PSU redundancy
PSU	Dual Redundant
Hot-swap PSU	Yes

### Key Features

- Switchable LNB power & 22KHz tone
- Dual redundant hot-swap power supplies
- Current monitoring via rear panel serial port

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