



Model Number: 2764-N5N5-E

RF Engineering
and Custom Build

16 port LNB Power Supply

With switchable 13/18V & 22KHz tone & current monitoring (via RJ45 Ethernet Port)



Front View of Model 2764-N5N5-E

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 an Ethernet port. LNB current monitoring can also be done via the Ethernet 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 similar Model with serial port and 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 Ethernet Port |
| Alarms | For low/high LNB current & PSU failure |
| Remote Control | Via RJ45 Ethernet 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 Ethernet port | |

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