Model Number: 2764-F7F7-E

RF Engineering
and Custom Build

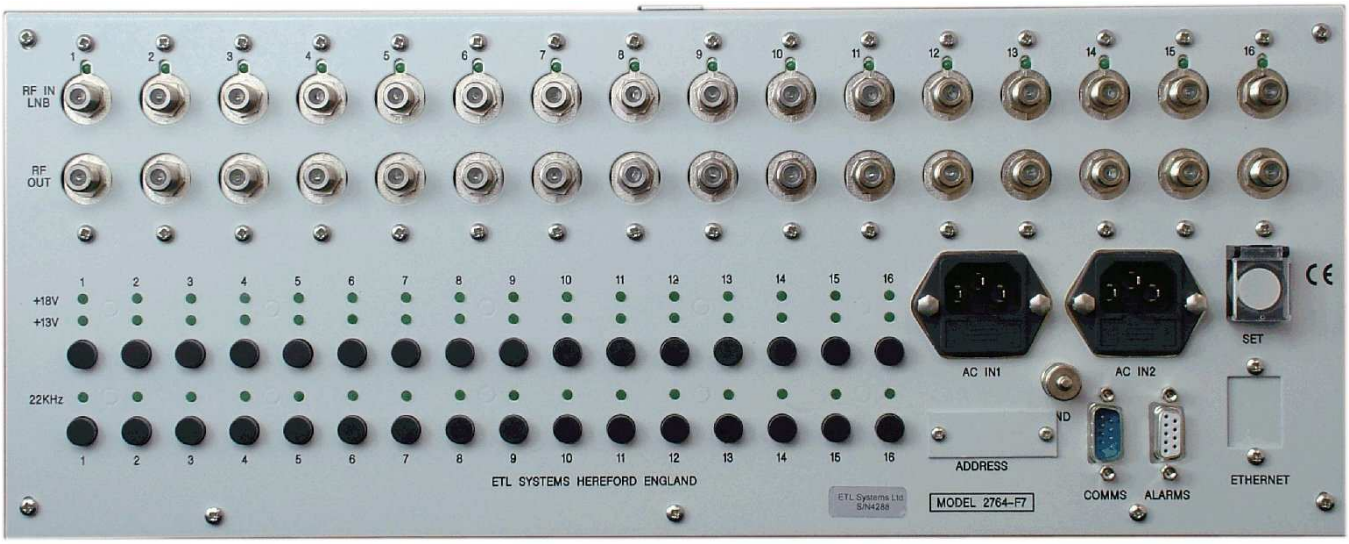
16 port LNB Power Supply

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

Front View of Model 2764-F7F7-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

This particular unit has 75 ohm F-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	<2.0 dB
Flatness	±1.0 dB
Return Loss	10 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	F-type
Input Impedance	75Ω
Output Connector	F-type
Output Impedance	75Ω
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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