



Model Number: M0808D2UFB-21162-N5

8 x 8 Broadband Matrix Router

With Local & Remote Control (via RS232/422/485 & RJ45 ports)



Front View of Model M0808D2UFB-21162-N5

The ETL Broadband distributive matrix is a high performance switch matrix (or router) with up to 8 inputs and 8 outputs, operating over the 50-1000MHz frequency range. The unit benefits from integrated dual redundant, hot-swap power supplies and is housed in a 2U high, 19" rack mountable shelf.

The matrix incorporates a standard ETL controller which can be remotely controlled via either a PC (using ETL software) or integrated in to an M & C System. The front panel LCD display allows for the matrix to be configured including setting of routes through the matrix, and IP and serial settings. Monitoring and Control of the matrix can be done via the Ethernet (RJ45) port or Serial ports (RS232 / RS422 / RS485).



Rear View of Model M0808D2UFB-21162-N5 (part populated)

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

This unit can also be supplied with LNB Powering (see Model M0808D2UFB-21163-xx).





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RF Engineering and Custom Build

Technical specifications and operating parameters

RF Parameters

Capacity	8 inputs x 8 outputs	
Frequency Range	50—1000 MHz (Broadband)	
Gain	0 dB \pm 1 dB nominal, mean across band	
Flatness	50-1000 MHz	\pm 1.0 dB
1dB Compression	0 dBm	
Noise Figure	21 dB	
Isolation	I/P-O/P	60 dB typical
	I/P-I/P	65 dB typical
	O/P-O/P	65 dB typical
Input Return Loss	20 dB typical	
Output Return Loss	20 dB typical	

Power

AC Power	85-264Vac 50/60Hz Fused 2A
LNB Power	None
PSU	Dual redundant
Hot-swap PSU	Yes

Environmental

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

System Control

Local Control	Via LCD Display and push buttons on front panel
Remote Control & Monitoring	Via RS232/422/485 Serial Port and RJ45 10/100 base-T, TCP/IP & SNMP Ethernet Port
Alarms	Dry contact alarm port on rear panel for PSU failure
Web Browser Interface	Standard

Physical

Connectors	N-type
Impedance	50 Ω
Dimensions	2U high x 450mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss

Key Features

LCD Display Local Control Panel
Remote Control & Monitoring
Integrated Web Browser Interface
Dual redundant, hot-swap power supplies

ETL SYSTEMS LIMITED
Coldwell Radio Station
Madley
Hereford
England HR2 9NE

TELEPHONE
+44 (0)1981 259020
EMAIL
info@etlsystems.com

FACSIMILE
+44 (0)1981 259021
WEB
www.etlsystems.com

