

XTREME 32

32 Port Fan-Out Bi-Directional RF Matrix Switch



XTREME 32

General Description:

The **XTREME 32** DOCSIS 3.1 compatible matrix switch is a full fan-out (distributive) non-blocking signal management solution that routes an input to any or all outputs. The design features an industry exclusive architecture that supports both symmetric and asymmetric configurations of 32 combined inputs and outputs in a compact 1 RU chassis. Hot-swappable redundant power supplies, I/O Modules, and a field replaceable cooling fan provide maximum reliability.

Features & Benefits:

- 5-1800 MHz operating range
- Bidirectional configuration ideal for DOCSIS 3.1 testing
- Redundant hot-swappable power supplies
- Option for fiber optic inputs
- Hot-swappable input and output adapters
- Dual gigabit ethernet ports
- Field replaceable cooling fan

Specifications: ^{*1}	XTREME 32		
Configurations:	16x16 (Standard)		
RF Connectors:	F-Type, BNC 75 Ω or 50 Ω, SMA, Mixed or Optical Input Receivers SC/APC or LC/APC		
Impedance:	75 Ω		
Operating Frequency:	5-54 MHz	54-1218 MHz	1218-1800 MHz
Frequency Response:	+/- 4 dB	+/- 2.5 dB	+/- 2 dB
Any 6 MHz Flatness:	+/- 0.5 dB	+/- 0.5 dB	+/- 0.5 dB
Input P1dB:	30 dBm Min.		
Insertion Loss:	26	27	30
OIP3:	40 dBm Min.		
Input Return Loss:	7 dB Min. >10 dB Typical		
Output Return Loss:	7 dB Min. >10 dB Typical		
Isolation (input-to-input):	60 dB		
Isolation (output-to-output):	60 dB		
Isolation (input-to-output):	50 dB		
Local Control:	Front Panel 2.2" LCD Display with Rotary Switch Joystick		
Remote Control:	Dual 10/100/1000 Base Tx Ethernet Ports, SNMP, V2c, v3 TCp/ IP, Quintech 2.15 Protocol (Port 9100) Web server: TELNET		
Power Requirements:	100-240 VAC Autoranging, 50/60 Hz 5A Max.		
Power Consumption:	55W Typical		
Size:	1 RU: 1.75"H x 19"W x 18.5 D"		

*Specifications may vary with connector type. See individual specification sheet for specific performance data.

¹Specifications valid at unity gain (Input gain = 0 dB , Output gain = 0 dB)