

XTREME 32

Dual 8x8 Hybrid RF Matrix Switch

General Description:

The **XTREME 32** Hybrid matrix switch is an L-band matrix switch that features a non-blocking 8x8 splitting matrix and a non-blocking 8x8 combining matrix with hot-swap I/O cards, redundant power supplies, and control module in a compact 1 RU chassis. Dual 10/100/1000 Ethernet ports allow for redundant control connections.



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Features & Benefits:

- 850-2500 MHz Operating Range
- Redundant Hot-swappable Power Supplies
- Hot-swappable Input and Output Adapters
- Adjustable Input and Output Gain
- Dual Gigabit Ethernet Ports
- Field Replaceable Cooling Fan
- Fan-out LNB Power Option on Input Adapters
- Optional Fiber Optic Inputs

Specifications:	Full Fan-out		Full Fan-in	
Operating Frequency:	950-2150 MHz	850-2500 MHz	950-2150 MHz	850-2500 MHz
Configurations:	8x8		8x8	
Input Gain Range:	-15.5 to 16 dB in 0.5 dB steps		-17.5 to 14 dB in 0.5 dB steps	
Output Gain Range:	-14.5 to 17 dB in 0.5 dB steps		-13.5 to 18 dB in 0.5 dB steps	
Impedance:	75 Ω or 50 Ω		75 Ω or 50 Ω	
Input P1dB:	0 dBm Min.		0 dBm Min.	
OIP3:	10 dBm Min.	10 dBm Min.	10 dBm Min.	10 dBm Min.
Frequency Response: Any 36 MHz:	+/- 1.5 dB	+/- 3 dB	+/- 1.5 dB	+/- 2.5 dB
	+/- .5 dB	+/- .7 dB	+/- .5 dB	+/- .5 dB
Isolation (input-to-input):	60 dB Min.	60 dB Min.	60 dB Min.	60 dB Min.
Isolation (output-to-output):	60 dB Min.	60 dB Min.	60 dB Min.	60 dB Min.
Isolation (input-to-output):	55 dB Min.	50 dB Min.	55 dB Min.	50 dB Min.
Input Return Loss:	14 dB Min.		14 dB Min.	
Output Return Loss:	14 dB Min.		14 dB Min.	
Noise Figure:	13 dB Max.	14 dB Max.	13 dB Max.	21 dB Max.
RF Connectors:	F-Type, BNC 75 Ω or 50 Ω, SMA, or Mixed			
Power Requirements:	100-240 VAC Autoranging, 50/60 Hz			
Power Consumption:	110 W typical			
Local Control:	Front panel 2.2" display and rotary knob			
Remote Control:	SNMP, TELNET, TCP/IP, Web Browser Interface Via Ethernet Remote Panel			

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

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