

XTREME 32-C

32 Port Fan-In L-Band RF Matrix Switch



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General Description:

The **XTREME 32-C** next generation L-band matrix switch features 32 ports in a compact 1 RU chassis. The **XTREME 32-C** is a full fan-in (combining), non-blocking switch where one or more inputs can be routed to any output. The **XTREME 32-C** features an industry exclusive flexible matrix architecture that supports both symmetric and asymmetric configurations of 32 combined inputs and outputs in a single chassis. Asymmetric configurations such as 28x4, 24x8, and more can be implemented as well as the standard 16x16 configuration. The **XTREME 32-C** is designed for maximum reliability with redundant and hot-swappable power supplies.

Features & Benefits:

- Compact design with a variety of configurations adding to 32 ports in 1 RU
- Easy hot-swap power supplies, fan and adapters
- Independent input and output gain control
- Remotely controlled via web browser GUI interface, SNMP, Telnet or TCP/IP via customer supplied PC

Specifications: ^{*1}	XTREME 32-C
Operating Frequency:	850-2450 MHz
Configurations:	24x8, 16x16
Input Gain Range:	-14.5 to 17 dB in 0.5 dB Steps
Output Gain Range:	-18.5 to 13.0 dB in 0.5 dB Steps
Impedance:	75 Ω or 50 Ω
Input P1dB:	0 dBm
OIP3:	10 dBm Min.
Frequency Response:	+/- 2.0 dB +/- 0.5 dB Max. (Over any 36 MHz Channel)
Isolation (input-to-input):	60 dB
Isolation (output-to-output):	60 dB
Isolation (input-to-output):	55 dB
Input Return Loss:	14 dB
Output Return Loss:	14 dB
Noise Figure:	13 dB @ 0 dB Gain (One Connection)
RF Connectors:	F-Type, BNC 75 Ω or 50 Ω, SMA, or Mixed
Power Requirements:	100-240 VAC Autoranging, 50/60 Hz
Power Consumption:	100W Typical
Local Control:	Front Panel 2.2" LCD Display with Rotary Switch Joystick
Remote Control:	SNMP, TELNET, TCP/IP, Web Browser Interface Via Ethernet, Remote Panel
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)