

# XTREME 32

## 32 Port Fan-Out L-Band RF Matrix Switch



The **XTREME 32** next generation L-band matrix switch features 32 ports in a compact 1 RU chassis. The **XTREME 32** is a full fan-out (distributive), non-blocking switch where an input can be routed to any or all outputs. The **XTREME 32** features an industry exclusive (patented) flexible matrix architecture that supports both symmetric and asymmetric configurations of 32 combined inputs and outputs in a single chassis. Asymmetric configurations such as 4x28, 8x24, and more can be implemented as well as the standard 16x16 configuration. Optional 13/18 V, 22 kHz tone LNB power is available on all input ports. It 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
- Independent input and output gain control
- Remotely controlled via web browser GUI interface, SNMP, Telnet or TCP/IP via customer supplied PC

#### Specifications:\*

Operating Frequency:	850-2500 MHz
Configurations:	8x24, 16x16
Input Gain Range:	-19 to 12 dB in 0.5 dB steps
Output Gain Range:	-14 to 17 dB in 0.5dB steps
Impedance:	75 $\Omega$ or 50 $\Omega$
Input P1dB:	0 dBm min
OIP3:	10 dBm min (950-2150 MHz)
Frequency Response:	+/- 1.5 dB (950-2150 MHz) +/- 0.5 dB 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
RF Connectors:	F-Type, BNC 75 $\Omega$ or 50 $\Omega$ , SMA, or Mixed
LNB Power: Each Port	0/13/18 V, 22 kHz Tone 400 mA nominal (550mA peak in-rush) Short Circuit Protection with Automatic Reset Status: Under Current (<50mA), Short and Normal
Power Requirements:	100-240 VAC Autoranging, 50/60 Hz
Power Consumption:	90W typical, 200W max with LNB optional
Local Control:	Front panel 2.2" display and rotary switch joystick
Remote Control:	SNMP, TELNET, TCP/IP, Web Browser Interface Via Ethernet Remote Panel

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

All products and specifications are subject to change without notice.