

# XTREME 160-C

## 160 Port Fan-In L-Band RF Matrix Switch



XTREME 160-C

**General Description:**

The **XTREME 160-C** next generation L-band matrix switch features up to 160 ports in a compact 4 RU chassis. The **XTREME 160-C** is a full fan-in (combining), non-blocking switch where one or multiple inputs can be routed to an output. The **XTREME 160-C** features an industry exclusive flexible matrix architecture (patented) that supports both symmetric and asymmetric configurations of 160 combined inputs and outputs in a single chassis. Asymmetric configurations such as 128x32 can be implemented as well as the standard 64x64 configuration. The **XTREME 160-C** is designed for maximum reliability with redundant power supplies and control cards.

**Features & Benefits:**

- Compact modular design with a variety of configurations adding to 160 ports in 4 RU
- Easy hot-swap of all RF cards, power supplies and control cards
- Option for fiber optic inputs
- Independent input and output gain control
- Remotely controlled via web browser GUI interface, SNMP, Telnet or TCP/IP via customer supplied PC
- Redundant hot-swap control cards

Specifications: *1	XTREME 160-C
<b>Configurations:</b>	64x64, 80x48, 128x32
<b>RF Connectors:</b>	F-Type, BNC 75 Ω or 50 Ω, SMA, Mixed or Optical Input Receivers SC/APC or LC/APC
<b>Impedance:</b>	75 Ω or 50 Ω
<b>Operating Frequency:</b>	850-2450 MHz
<b>Frequency Response:</b>	+/-1.5 dB (950-2150 MHz), +/-2.0 dB (850-2450 MHz) +/-0.5 dB Over Any 36 MHz Channel
<b>Input P1dB:</b>	0 dBm
<b>Noise Figure:</b>	14 dB @ 0 dB Gain
<b>OIP3:</b>	+10 dBm
<b>Input Return Loss:</b>	14 dB
<b>Output Return Loss:</b>	14 dB
<b>Isolation (input-to-input):</b>	60 dB
<b>Isolation (output-to-output):</b>	60 dB
<b>Isolation (input-to-output):</b>	55 dB (950-2150 MHz), 50 dB (850-2450 MHz)
<b>Input Gain Range:</b>	-23.5 to +8 dB in .5 dB Steps
<b>Output Gain Range:</b>	-23.5 to +8 dB in .5 dB Steps
<b>Local Control:</b>	Front Panel 2.2" LCD Display with Rotary Switch Joystick
<b>Remote Control:</b>	SNMP, TELNET, TCP/IP, Web Browser Interface Via Ethernet, Remote Panel
<b>Power Requirements:</b>	100-240 VAC Autoranging, 50/60 Hz
<b>Power Consumption:</b>	160 W
<b>Size:</b>	4 RU: 7"H x 19"W x 23.25 D"

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

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