XTREME 32-C
32 Port Fan-In L-Band + S-Band RF Matrix Switch

XTREME 32-C

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:

- 50-200 MHz, 850-2500 MHz & 950-3500 MHz operating range
- 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
- Option for fiber optic inputs
- Remotely controlled via web browser GUI interface, SNMP, Telnet or TCP/IP via customer supplied PC

- Hot-swappable input and output adapters
- Flexible matrix configurations (16x16)
- Redundant hot swappable power supplies
- Dual gigabit ethernet ports
- Field replaceable cooling fan

Specifications:*[1]	L-Band		S-Band
Configurations:	4x28, 8x24, 12x20, 16x16, 20x12, 24x8, 28x4		16x16
RF Connectors:	F-Type, BNC 75 Ω or 50 Ω, SMA, Mixed or Optical Input Receivers SC/APC or LC/APC		SMA
Impedance:	75 Ω or 50 Ω		50 Ω
Operating Frequency:	850-2500 MHz	50-200 MHz & 950-2150 MHz	950-3500 MHz
Frequency Response:	+/- 2.0 dB +/- 0.5 dB Max. (Over any 36 MHz Channel)		+/- 3.0 dB +/- 0.7 dB Max. (Over any 36 MHz Channel)
Input P1dB:	0 dBm		
Noise Figure:	13 dB @ 0 dB Gain (One Connection)	13 dB Max. (22 dB Full Fan-In)	15 dB Max. (24 dB Full Fan-In)
Default Gain:	13 dB @ 0 dB Gain (One Connection)	13 dB Max. (22 dB Full Fan-In)	15 dB Max. (24 dB Full Fan-In)
Max Input Gain:		9 dB Typical* (21 dB Full Fan-In)	10 dB Typical* (23 dB Full Fan-In)
OIP3:	10 dBm Min.	10 dBm Min.	8 dBm Min.
Input Return Loss:	14 dB		
Output Return Loss:	14 dB		
Isolation (input-to-input):	60 dB	50 dB	45 dB
Isolation (output-to-output):	60 dB	50 dB	45 dB
Isolation (input-to-output):	55 dB	50 dB	45 dB
Input Gain Range:	-14.5 to 17 dB in 0.5 dB Steps	-19.5 to 12 dB in .5 dB steps	-19.5 to 12 dB in .5 dB steps
Output Gain Range:	-18.5 to 13.0 dB in 0.5 dB Steps	-20.5 to 11 dB in .5 dB steps	-20.5 to 11 dB in .5 dB steps
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		
Power Requirements:	100-240 VAC Autoranging, 50/60 Hz		
Power Consumption:	100W Typical		
Size:	1 RU: 1.75"H x 19"W x 18.5 D"		

[1]Specifications 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.

QUINTECH®
The Source for RF Reliability

(800) 839-3658 • (724) 349-1412 • www.quintechelectronics.com