XTREME 32

32 Port Fan-Out Broadband RF Matrix Switch

QX11000V8X16CS4AA1000

8x16 SMA(f)
Exclusive Flexible Matrix Architecture, Industry Leading Specifications, and Hot-Swappable Components Provide an *XTREME* Signal Management Solution

The ***XTREME 32*** Dual Band matrix switch is a full fan-out (distributive) non-blocking signal management solution that routes an input to any or all outputs. The design features an industry exclusive architecture that supports both symmetric and asymmetric configurations of 32 combined inputs and outputs in a compact 1 RU chassis. Hot-Swappable redundant power supplies, I/O Modules, and a field replaceable cooling fan provide maximum reliability.

50-1000 MHz Operating Range Flexible Matrix	**Hot-swappable Input and Output Adapters**
Flexible Matrix Configurations (16x16, 4x28, 8x24)	**Adjustable Input and Output Gain**
Optional LNB Power 400 mA per Input 13/18 V with 22 kHz Tone	**Dual Gigabit Ethernet Ports**
Redundant Hot Swappable Power Supplies	**Field Replaceable Cooling Fan**

Convenient Local Control and Status Monitoring

Field Replaceable Cooling Fan

Hot Swappable I/O Adapters

Independent Input and Output gain control to balance levels and cable loss

Dual Gigabit Ethernet Ports Remotely controllable via secure web browser interface, SNMP, TCP, API, or TELNET

SMA, BNC 50, BNC 75, and mixed connector configurations available.

Hot-swap Redundant Power Supplies

250 Airport Road • Indiana, PA 15701 • (800) 839-3658 • (724) 349-1412 • Fax: (724) 349-1421
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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV

QUINTECH®

XTREME 32

32 Port Fan-Out Broadband RF Matrix Switch

Specifications and Operating Conditions

As Configured/Expandable to:	8x16 (16X16)
RF Connectors:	SMA 50 Ω (f)
Operating Frequency:	50 - 1000 MHz
Frequency Response: Default Gain: typically Centered @ 0 dB	+/- 3 dB
Any 36 MHz:	+/- .8 dB
Input P1dB:	
Default Gain:	0 dBm min
Max Input Gain:	-10 dBm typical *
Noise Figure:	
Default Gain:	14 dB max
Max Input Gain:	10 dB typical *
OIP3:	
Default Gain:	9 dBm min
Input Return Loss:	14 dB min
Output Return Loss:	14 dB min
Isolation:	
Input to Input:	60 dB min
Output to Output:	60 dB min
Input to Output:	55 dB min
Input Gain Range:	-19.5 to 12 dB in .5 dB steps
Output Gain Range:	-15.5 to 16 dB in .5 dB steps
RF Sensing Range:	-50 to 0 dBm
AGC Tracking Range:	-50 to -10 dBm setpoint
Switching Speed:	150 mS per crosspoint typical *
	<2 uS from break to make
Maximum Input Power: (No Damage)	20 dBm (30 VDC max on any port)

Control:	
Local Control:	
Front Panel 2.2" LCD Display with Rotary Knob	
Remote Control:	
Dual 10/100/1000 Base Tx Ethernet Ports	
SNMP	v2c, v3
TCP/IP	Quintech 2.15 Protocol (Port 9100)
Web Server	
Secure Web Server with Custom SSL Certificate	
TELNET with option to disable	
Macro Scripting Language to Automate Changes and Monitoring	
XR Bus Expansion Standard	
Optional Ethernet Expansion	
NTP Time Client	

Alarms and Logging:
SNMP Traps on Status Change
SNMP Trap on Crosspoint Change
SysLog, SQL, or CSV Format Log File
Q-Sense:
Primary and Backup Input Pairs: Backup is automatically switched if the Primary Input falls below the threshold level.

Power and Cooling Requirements:	
AC Input Range:	100-240 VAC Autoranging 50/60 Hz 5A max
Hot-Swappable Redundant Supplies with Separate AC Inlets	
Power Consumption:	100 W typical, 200 W with LNB option
Fan:	Long-life ball bearing fan (field swappable)
Input and Output RF Modules:	Hot Swappable

Physical:	
Dimensions:	1 RU (1.75" H x 19" W x 18.5" D)
Weight:	14 lbs. gross (boxed), 11.2 lbs. net
Certifications:	CE, TUV NRTL, FCC Part 15

Environmental Parameters:	
Operating Temperature:	0 to 50° C
Storage Temperature:	-10° C to 75°C
Humidity:	20 % to 90% non-condensing
Altitude:	10,000 feet AMSL

* typical refers to expected product performance that is useful in application of the product but is not covered by the product warranty

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