XTREME 32

32 Port Fan-Out RF Matrix Switch

QX13500V16X16CS4AA1000

16x16 SMA(f)
Exclusive Flexible Matrix Architecture, Industry Leading Specifications, and Hot-Swappable Components Provide an *XTREME* Signal Management Solution

The ***XTREME 32*** 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.

- **950-3500 MHz Operating Range**
- **Flexible Matrix Configurations (16x16)**
- **Redundant Hot Swappable Power Supplies**
- **Hot-swappable Input and Output Adapters**
- **Adjustable Input and Output Gain**
- **Dual Gigabit Ethernet Ports**
- **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
http://www.quintechelectronics.com/ • info@quintechelectronics.com

© 2021 Quintech Electronics and Communications Inc. All rights reserved. All product designs and specifications are subject to change without notice

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV ISO 9001

QUINTECH® The Source for RF Reliability

XTREME 32

32 Port Fan-Out RF Matrix Switch

Specifications and Operating Conditions

As Configured/Expandable to:	16x16	
RF Connectors:	SMA(f)	
Operating Frequency:	950-3500 MHz	
	950-2150 MHz	950-3500 MHz
Frequency Response: Default Gain: typically Centered @ 0 dB	+/- 2.0 dB	
Any 36 MHz:	+/- .5 dB	+/- .5 dB
Input P1dB:		
Default Gain:	0 dBm min	
Max Input Gain:	-10 dBm typical *	
Noise Figure:		
Default Gain:	13 dB max	14 dB max
Max Input Gain:	9 dB typical *	10 dB typical *
OIP3:		
Default Gain:	10 dBm min	8 dBm min
Input Return Loss:	14 dB min	14 dB min
Output Return Loss:	14 dB min	14 dB min
Isolation:		
Input to Input:	60 dB min	
Output to Output:	60 dB min	
Input to Output:	50 dB min	45 dB min
Input Gain Range:	-19.5to 12 dB in .5 dB steps	
Output Gain Range:	-20.5 to 11 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)	

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

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
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

250 Airport Road • Indiana, PA 15701 • (800) 839-3658 • (724) 349-1412 • Fax: (724) 349-1421
http://www.quintechelectronics.com/ • info@quintechelectronics.com
© 2021 Quintech Electronics and Communications Inc. All rights reserved. All product designs and specifications are subject to change without notice