

General Description:

Quintech's QRM 2500 Matrix Switching System provides a complete 16x16 switching solution in a 1 RU chassis. The QRM provides maximum reliability through the use of signal path redundancy and auto re-route capability. It can be used to create a wide variety of configurations ranging from 8x8 up to 32x32. The system can be controlled either locally via the front panel keypad or remotely via computer and is compatible with most monitoring and control systems.

Specifications:

Operating Frequency:

Gain Range (manual mode):

Impedance:

P1dB:

OIP³

RF Input Power:

RF Output Power:

Output AGC Level:

Frequency Response:

Isolation (input-to-input):

Isolation (output-to-output):

Isolation (input-to-output):

Input Return Loss:

Output Return Loss:

Noise Figure:

L-Band	IF
950-2150 MHz	50-200 MHz
-15 dB to +16 dB in 0.5 dB steps	-15 dB to +16 dB in 0.5 dB steps
75 Ω or 50 Ω	75 Ω or 50 Ω
+2 dBm	-3 dBm
10 dBm	8 dBm
-10 dB to -70 dB	-10 dB to -70 dB
-10 dBm	-10 dBm
-10 dBm to -50 dBm	-10 dBm to -50 dBm
± 1.5 dB	± 2 dB
± 0.4 dB over any 36 MHz channel	± 0.6 dB over any 36 MHz channel
70 dB	70 dB
60 dB	60 dB
60 dB typ.	60 dB typ.
14 dB	14 dB
14 dB	14 dB
<18 dB @ 0 dB	<18dB @ 0 dB
<9.5 dB @ 16 dB	<9.5 dB @ 16 dB

Configuration:

RF Connectors:

Power Requirements:

Power Consumption:

Local Control:

Inter-Module Control:

PC Remote Control:

Software:

Mechanical:

Weight:

8x8 up to 32x32

Type F 75 Ω, BNC 75 Ω, BNC 50 Ω, or SMA 50 Ω

100-240 VAC autoranging, 50/60 Hz

70 W

Front panel keypad with LCD display

XR Bus

RS-232, RS-485, SNMP, TELNET or Ethernet
via customer-supplied PC

Basic PC-compatible operating software and system protocol included
with system

1 RU

12 lbs.