

# RFM

## 16 Port RF Routing Switch

**RFM220016X1LS000**  
**16x1 SMA(f)**

The **RFM2200** is a routing switch that transparently routes many source or destination signals to a common port. Its compact design provides 16x1 ports in a 1RU chassis and can be cascaded using multiple modules to route up to 256 source ports to a common port. The **RFM2200** is used for centralized test and measurement applications and monitoring a large number of RF signals.

950-2500 MHz frequency range covers satellite extended L-band.

Adjustable Output Gain

Flexible Configurations (16x1 or 1x16 expandable up to 256 inputs or outputs using multiple modules)

Gigabit Ethernet Port

Web Browser Interface for easy configuration and switching

Remote control using Web Browser, API, or SNMP (v2c, v3)

Automates testing or monitoring of multiple devices to a shared analyzer



250 Airport Road • Indiana, PA 15701 • (800) 839-3658 • (724) 349-1412 • Fax: (724) 349-1421

<http://www.quitechelectronics.com/> • [info@quitechelectronics.com](mailto:info@quitechelectronics.com)

© 2021 Quitech Electronics and Communications Inc. All rights reserved. All product designs and specifications are subject to change without notice  
RFM220016X1LS000 Rev B, CO# 31064 (Page 1 of 2)

COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV  
ISO 9001

 **QUITECH**<sup>®</sup>  
*The Source for RF Reliability*

# RFM

## 16 Port RF Routing Switch

### Specifications and Operating Conditions:

<b>Base Configurations:</b>	16x1 (standard), expandable up to 256x1
<b>RF Connectors:</b>	SMA(f)
<b>Operating Frequency: (MHz)</b>	950-2500 MHz
<b>Frequency Response:</b> <b>Default Gain: typically Centered @ 0 dB</b>	950-2150MHz: +/- 1.5 dB 950-2500MHz: +/- 2.5 dB
Any 36 MHz:	+/- .3 dB
<b>Input P1dB:</b>	5 dBm min
<b>Noise Figure:</b>	14 dB max
<b>OIP3:</b> Default Gain:	15 dBm min
<b>Input Return Loss:</b>	13 dB min
<b>Output Return Loss:</b>	14 dB min
<b>Isolation:</b> Input to Input: Input to Output :	50 dB min 50 dB min
<b>Gain Range:</b>	-24.5 to 7 dB in .5 dB steps
<b>Switching Speed:</b>	150 mS per crosspoint typical * <2 uS from break to make
<b>Maximum Input Power: (No Damage)</b>	20 dBm (30 VDC max on any port)

<b>Control:</b>	
<b>Local Control:</b> Front Panel 2.2" LCD Display with Rotary Knob	
<b>Remote Control:</b> 10/100/1000 Base Tx Ethernet Port	
SNMP	v2c, v3
TCP/IP	Quintech 1.21/2.15 Protocol (Port 9100)
Secure Web Server	
TELNET with option to disable	
XR Bus Expansion Standard	
NTP Time Client	

<b>Alarms and Logging:</b>	
SNMP Traps on Status Change	
SNMP Trap on Crosspoint Change	
SysLog, SQL, or CSV Format Log File	

<b>Power and Cooling Requirements:</b>	
<b>AC Input Range:</b>	100-240 VAC Auto-ranging 50/60 Hz 1A max
<b>Power Consumption:</b>	9 W

<b>Physical:</b>	
<b>Dimensions:</b>	1 RU (1.75" H x 19" W x 18.5" D)
<b>Weight:</b>	9 lbs.gross (boxed), 6 lbs. net

<b>Environmental Parameters:</b>	
<b>Operating Temperature:</b>	0 to 50° C
<b>Storage Temperature:</b>	-10° C to 75° C
<b>Humidity:</b>	20 % to 90% non-condensing
<b>Altitude:</b>	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

250 Airport Road • Indiana, PA 15701 • (800) 839-3658 • (724) 349-1412 • Fax: (724) 349-1421  
<http://www.quintechelectronics.com/> • [info@quintechelectronics.com](mailto:info@quintechelectronics.com)