

General Description:

The **MRM 0200** is a matrix switch and switching subsystem that allows any of 4 to 16 inputs carrying RF signals to be routed to any of 4 to 16 outputs. The system utilizes patented stack-and-tier technology which offers ultra-reliable, high-performance, in a compact, modular design. This greatly reduces the size and complexity of the system while greatly enhancing the system's reliability by eliminating the need for patch panels and repetitive mechanical connections. The system is controllable either locally via the front panel keypad or remotely via computer and is compatible with most monitoring and control systems. The rear panel design facilitates structured cable routing, thereby eliminating confusing tangles and bundles of cables.

Specifications:

Frequency:	20-200 MHz
Impedance:	50 Ω
Max. Total Operating Input Power:	+3 dBm
Max. Survival Input Power:	+21 dBm
Insertion Loss:	0 \pm 1 dB max.
Frequency Response:	0.5 dB max. over any 70 MHz span (any input to single output)
1 dB Compression Input:	+13 dBm
3rd/2nd Order Output Intercept Point:	+25 dBm/+40 dBm, calculated
Isolation (input-to-input):	~65 dB, typical
Isolation (output-to-output, different input):	~65 dB, typical
Isolation (output-to-output, common input):	~65 dB, typical
Isolation (input-to-output):	~70 dB, typical
Input Return Loss:	14 dB min., 20 dB typ.
Output Return Loss:	14 dB min., 14 dB typ.
Noise Figure:	< 15 dB max., 14 dB typ.
RF Connectors:	BNC, 50 Ω
Power Requirements:	Autoranging 100-240 VAC, 50/60 Hz. N+1 internal PSUs for redundancy.
Power Consumption:	300 W (for 16x16 configuration)
Local Control:	Front panel keypad with LCD display
PC Remote Control:	RS-232, RS-422/485, or ETHERNET via customer-supplied PC
Mechanical:	3 RU (5.25" H x 19" W x 24" D)
Software:	Basic IBM-compatible operating software and system protocol included with system
Available Configurations:	12x12, 16x16 Please call for other available configurations.