

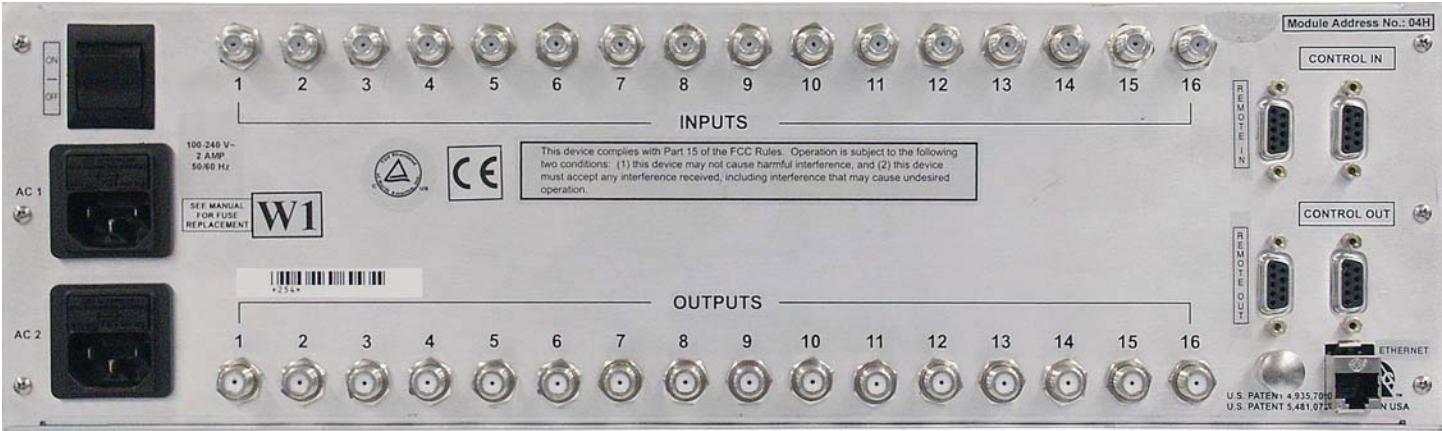
### General Description:

The **SFM 200** is a full fan-in matrix switch that allows multiple inputs carrying RF signals to be routed and combined to a single output. 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:

<b>Frequency:</b>	5-200 MHz
<b>Insertion Loss:</b>	0 ± 1.5 dB
<b>Impedance:</b>	75 Ω or 50 Ω
<b>P1dB:</b>	-5 dBm (each input)
<b>Frequency Response:</b>	± 1 dB
<b>Isolation (input-to-input):</b>	55 dB
<b>Isolation (output-to-output):</b>	55 dB
<b>Isolation (input-to-output):</b>	55 dB
<b>Noise Figure:</b>	17 dB
<b>Input Return Loss:</b>	15 dB
<b>Output Return Loss:</b>	14 dB
<b>Control Response Time:</b>	1.26 msec.
<b>Switching Speed:</b>	40 nsec.
<b>RF Connectors:</b>	Type F, BNC 75, BNC 50, SMA, or N
<b>Power Requirements:</b>	100-240 V~, 50/60 Hz. Dual AC inputs and dual internal PSUs for redundancy.
<b>Power Consumption:</b>	39 W
<b>PC Remote Control:</b>	RS-232, RS-422/485, or TCP/IP 10 BaseT via customer-supplied PC, SNMP, TELNET
<b>Inter-Module Control Data:</b>	Synchronous serial
<b>Mechanical:</b>	3 RU (5.25" H x 19" W x 20" D)
<b>Software:</b>	System protocol included
<b>Certifications:</b>	CE





**Digisat International Inc.**  
 4195 W. New Haven Ave., Suite 15  
 Melbourne, FL 32904  
 USA  
 +1-321-676-5250  
 Email: [sales@digisat.org](mailto:sales@digisat.org)  
<http://www.digisat.org>