

SPECIFICATION SHEET

JFW MODEL 50MS-211

MATRIX SWITCH

JFW Industries, Inc.
Phone: 317-887-1340
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www.jfwindustries.com

Frequency Range	DC-6000 MHz
Configuration	4 x 8 Blocking Electro-Mechanical Matrix Switch (See block diagram 092-5778) (Unused input ports are reflective) (Unused output ports are reflective) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Startup/Default States (configurable)	All ports off at startup (see MATRIX command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
Enclosure Type	19 inch rack mount @ 4RU high
Impedance	50 Ohms nominal
VSWR	1.5:1 maximum
Insertion Loss	1 dB maximum DC-2500 MHz 2 dB maximum 2500-6000 MHz
Isolation	70 dB minimum DC-4000 MHz 65 dB minimum 4000-6000 MHz
RF Input Power	1 Watt average
Switching Speed	20 milliseconds (after command is received and processed) (3 milliseconds typical processing time)
Manual Control	20-Button Keypad and LCD display (IP Address configurable via keypad) (Net mask configurable via keypad) (Gateway configurable via keypad) (Baud rate configurable via keypad)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)

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Remote Commands

Matrix Commands:
Matrix, Set Input, Set Output, Read Input, Read Output, Read All Inputs, Read All Outputs, Read Matrix Paths

System Commands:
Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt

RF Connector

SMA female

AC Supply

100-240 VAC @ 47-63 Hz
2 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse #215-002, JFW #025-021

Operating Temperature Range

0° to +70° C

Physical Size

See outline drawing 092-5403



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/03/2007		TRS 05/03/2007	16179	08/07/2008	C	TRS 08/07/2008
15800	05/01/2008	A	TRS 05/01/2008	21887	09/06/2012	D	TRS 09/06/2012
15916	05/28/2008	B	TRS 05/28/2008	24239	07/15/2015	E	TRS 07/15/2015