



### Description

The FiberPatrol® RMC Communications Management Chassis represents a revolutionary approach to providing space-efficient communications functionality, while minimizing the long term risk of obsolescence. Unlike competitive units that provide voltage only to the attached modules or which have a dedicated communications function, the RMC series has been designed from the outset with a variety of configurations in mind. The backplane circuit board, which interconnects all of the plug-in modules with the power supply, is field replaceable and upgradable.

### Built to Perform

The UL approved RMC and power supply deliver a solid 80 watts of power, having been specifically designed for high MTBF operation in difficult environments. The RMC provides for up to 16 slots, accommodating any FiberPatrol® plug-in module. The unit features a robust design, mountable in a 3RU space with several possible configurations of mounting brackets, an easily accessible ground lug, and rear panel power switch. Power supply options consist of a standard 2 slot supply or an external power supply allowing two slots to be used for additional plug-in modules.

### Built to Protect

The RMC power supply system provides several level of protection. Unique current sensing circuitry constantly monitors the current usage from the power supply and interrupts power in an over-current situation. Fuses and temperature dependent limiters are eliminated. Further, automatic electronic current limiting is provided in each plug-in module, providing shutdown of that individual module in the event that it has a problem. Automatic current limiting is self resetting, should the fault be of a temporary or intermittent nature.

### Features

- Accommodates entire complement of FiberPatrol® products
- 4A, 80 W UL approved power supply standard
- External and redundant power supply options
- Over-current sensing and control circuitry standard
- Plug-in modules individually protected
- Industrial fit and finish
- 3RU high, 16 slot
- Field upgradable

**Electrical**

Input Voltage	
RMC-115-xx:	115 VAC
RMC-230-xx:	230 VAC
RMC-xx:	12 VDC (from external supply)

Output Voltage (RMC-PS to backplane):	20 VAC C.T. @ 4 A (80 W @ 60 deg C) (70 W @ 74 deg C)
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Protection	
RMC-PS	
AC Input:	1 A Slow blow fuse
AC Output:	Over current/over-temperature protection relay

Plug-in Modules:	Automatic resettable polymer fuses
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Circuit Boards:	Meet IPC Standard
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AC Line Cord:	Detachable, IEC Connectorized
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**Mechanical**

Size (LxWxH)	
RMC Chassis:	19.0 x 7.0 x 5.25 in. (3RU) (48.3 x 17.8 x 13.3 cm)
RMC Module:	7.7 x 5.0 x 1.0 in. (19.6 x 12.5 x 2.5 cm)

Shipping Weight:	<5 lbs. (2.15 kg)
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**Environmental**

Operating Temperature:	-40 C to + 74 C, ambient
Storage Temperature:	-40 C to + 85 C, ambient
Relative Humidity:	0% to 95% (non-condensing)

**Connectors**

Power:	IEC (Male)
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**Certifications & Compliance**

UL/ULC	UL60950-1
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Internal Power Supply

**RMC Accessories**

**Ordering Information**

**RMC Accessories**

The following parts are available to order as individual spare or accessory items for all RMC units.

Description	Part Number
115 VAC Input Power Supply	RMC-PS115
230 VAC Input Power Supply	RMC-PS230
Blank Panel – 1 Slot	RMC-P1
Blank Panel – 2 Slot	RMC-P2



Management Chassis

**Basic RMC Series**

**Ordering Information**

**RMC Communications Management Chassis**

Description	Part Number	Input Voltage	Power Supply
Communications Management Chassis	RMC-115	115 VAC	RMC-PS115 (Included)
	RMC-230	230 VAC	RMC-PS230 (Included)
	RMC	12 VDC (from external supply)	RMC-EX115 (Order Separately)