

## Description

The RMC-5000 rack mount chassis provides sixteen slots for any FOM series module cards along with the option of redundant power.

The FOM cards are installed from the rear of the chassis with all electrical and fiber optic connections at the rear.

A front panel window allows viewing of status leds on each installed card indicating power status and fiber optic link status, signal line activity, and control or configuration information, depending on the particular card. The chassis backplane also allows various support modules to be installed, allowing for future expansion and control options. No active components are part of the chassis backplane, providing high reliability and minimal maintenance issues. The module deck is cooled with top mounted bearingless fans, drawing air in through the bottom of the chassis at the front and rear and exhausting at the top.

The RMC-5000 is also equipped with an alarm monitor card at the front panel that provides a visual indication of power supply module presence and status for each power supply as well as chassis fans, remote communication status and module card status. It also includes controls for setting the audible alarm for continuous, auto-muting, or silent operation.

Each RMC-5000 is shipped with one PSM-5000 AC input power supply module. A second PSM-5000 may also be added for power redundancy. The rack ears may be easily moved from the front of the chassis to the rear, allowing installation with the cabling end of the chassis at the front of the rack. Optional rack mounting ears are available for installation in 24" wide racks.



## Rack Mount Chassis

**19"W x 7"H (4 RU)  
for FOM Series Cards**

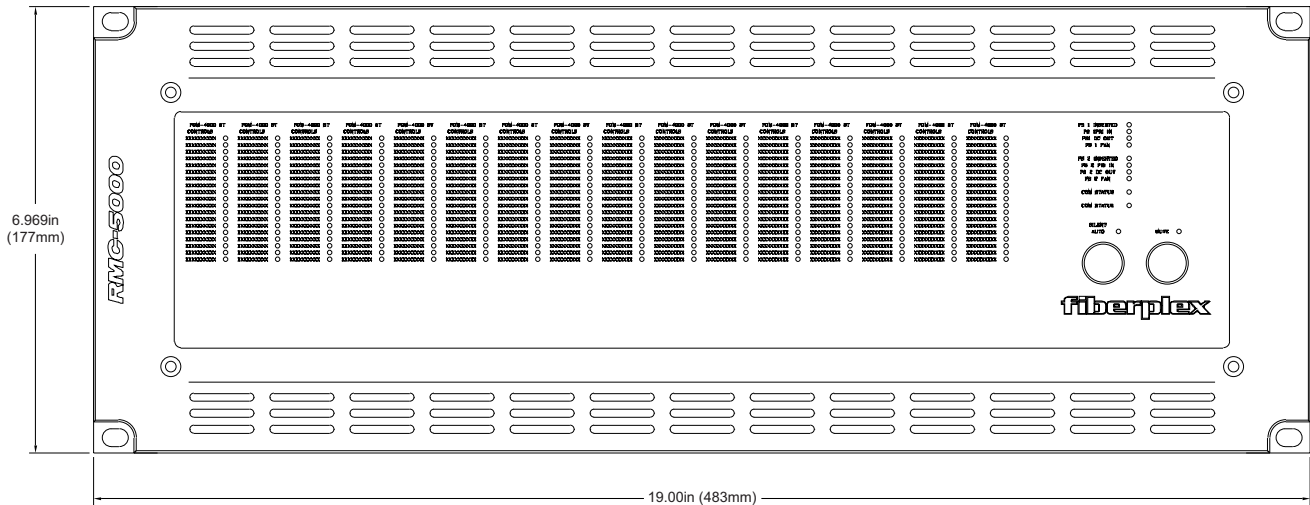
### Features:

- Sixteen card capacity
- Power supplies with integral variable speed cooling fans.
- Modules and power supplies are hot swappable from the rear of the chassis.
- Power redundancy is available through an optional second power supply module.
- Top mounted cooling fans for module deck.
- Small height and high density saves valuable rack space.
- Power supply, chassis fans, and module status displayed through front panel.

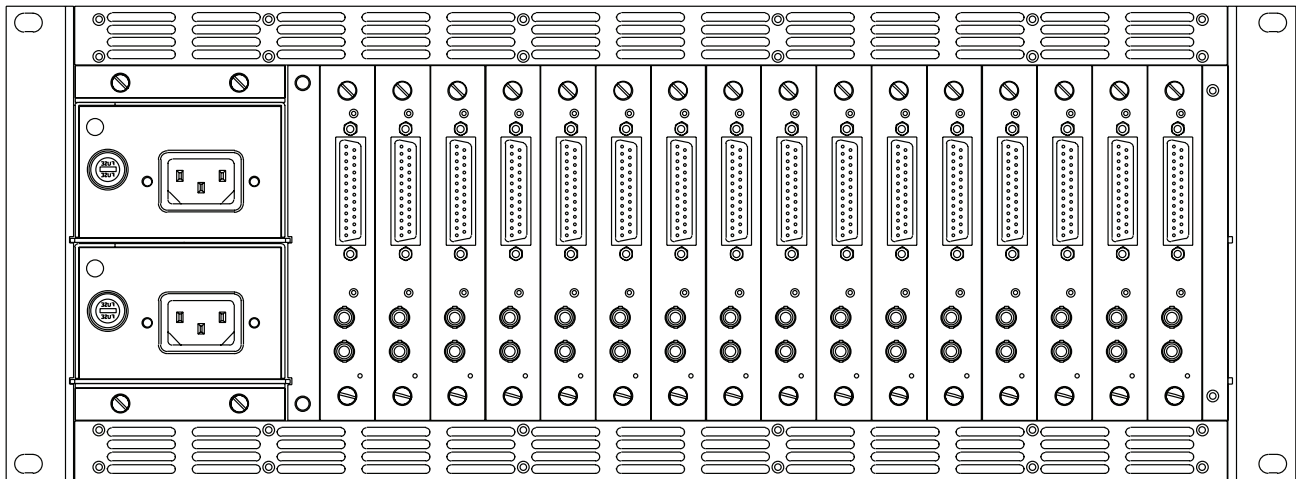
## LED Indicators

Label	Color	Description
<b>PS1 Inserted PS2 Inserted</b>	Green	PSM-5000 power supply module installed in the chassis.
	Yellow	No PSM-5000 power supply module installed in the chassis.
<b>PS1 Input PS2 Input</b>	Green	Input power present at power supply.
	Red	No power present at power supply or 3 Amp Slo-Blow fuse open.
<b>PS1 DC Out PS2 DC Out</b>	Green	+24 VDC output present from power supply.
	Red	No +24 VDC output present from power supply.
<b>PS1 Fan PS2 Fan</b>	Green	Power supply fans operating properly.
	Red	Power supply fan failure.
<b>Chassis Fans</b>	Green	Chassis fans operating properly.
	Red	Chassis fan failure.
<b>COM Status</b>	Green	Com Card inserted and functioning properly.
	Yellow	No Com Card inserted.
	Red	Com Card inserted; communication link failure.
<b>Card Fail</b>	Red	Module card detected in chassis but not responding to com. This indicator and text will be turned off if there are no module card errors.

Label	Color	Description
<b>Silent</b>	Yellow	No alarm conditions; audible alarm will be suppressed if they occur.
	Red	Alarm condition detected; audible alarm suppressed.
<b>Auto</b>	Yellow	No alarm conditions. Should an alarm condition occur, the audible alarm will be activated for 8 seconds, then silenced. Any new alarm condition will enable the audible alarm for 8 seconds again.
	Red	Alarm condition detected. Audible alarm will function as described above.
<b>Mute</b>	Off	Alarm is in Audible mode and an alarm condition is detected. The Mute button will also be lit. Touching the Mute button will silence the audible alarm and turn the indicator red. When there is no alarm in Audible mode the mute text and Mute button are turned off.
	Red	Alarm is in Audible mode, but the audible alarm is manually muted. When all alarms are cleared the Mute indicator and Mute button will turn off.

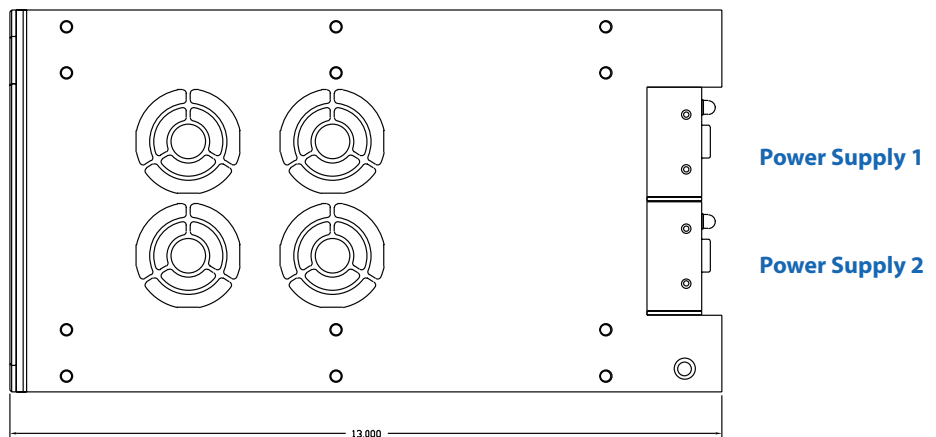


**RMC-5000 Front View (shown with typical location of FOM card displays)**



**RMC-5000 Rear View (shown with a full complement of typical FOM cards)**

**RMC-5000 Side View**



**Front Panel Touch Controls**

<b>Mode Select</b>	Blue, left-hand, touch-sensitive button to select mute mode. Touching the button will cycle the mute mode through three settings: Audible, Auto-Muting, and Silent. When both the Silent and Auto indicators are off the unit is in the Audible mode. The corresponding indicator will be lit when in Silent or Auto-Muting.
<b>Manual Mute</b>	Blue, right-hand, touch-sensitive button to manually mute the audible alert when in the Audible mode. This button and the corresponding Mute text and indicator will only be visible when in Audible mode while an alarm condition exists. When the button is lit, touching it will manually mute the audible alarm until the alarm condition is resolved. Touching the button while the audible alarm is muted will enable the audible alarm again.

**Specifications**

		minimum	typical	maximum	unit
<b>PSM-5000 Power Supply Module</b>	AC Input Voltage	95	-	250	VAC
	AC Input Frequency	45	-	400	Hz
	Input Power	-	-	240	W
	Output Voltage	-	24	-	VDC
	Supply Current	-	8.3	-	ADC
	Output Power	-	200	-	W
	AC Input Fuse	T4AL250V			
<b>Environmental</b>	Storage Temperature	-40	-	85	°C
	Operating Temperature	0	-	50	°C
<b>Dimensions</b>  Note: An additional 12" (30.5 cm) is required behind the chassis for power supply and module access				<b>inch</b>	<b>cm</b>
	width			19	48.3
	height			7	17.8
	depth			13	33.0
<b>Weight</b>				<b>lbs</b>	<b>kg</b>
	Empty (no module cards) and one PSM-5000			26.0	11.8
	Empty (no module cards) and two PSM-5000			28.7	13.0
	Typical full chassis (16 module cards) and two PSM-5000 (actual weight varies with types of cards installed)			40.0	18.1

**Accessories**

Model	Description
<b>PSM-5000</b>	AC Input Power Supply Module for RMC-5000
<b>PSM-5048</b>	DC Input Power Supply Module for RMC-5000

**Ordering Information**

Model	Description
<b>RMC-5000</b>	16 Slot FOM Series Rackmount Chassis (Includes one PSM-5000 AC Input Power Supply Module and 6.5 ft. NEMA 5-15P \ IEC type C13 line cord)