**fiberplex**
TECHNOLOGIES, LLC

## Description

The RMC-2101 provides nine available slots for either the FOI-2xxx or FOI-4xxx fiber optic isolator series.

The tenth available slot must be occupied by a PSM-2010 power supply module. Each RMC-2101 will be shipped with one PSM-2010. A second PSM-2010 may also be added for power redundancy, leaving eight available slots for any fiber optic isolator. If the first PSM-2010 fails, the second PSM-2010 will take over the entire system load and carry on normally.

Each fiber optic isolator must also be accompanied by a CMA-2001 chassis mount adapter, which slides the fiber optic isolator into the slots and assures correct alignment of the isolator power connector to the power bus inside the RMC-2101.

FiberPlex recommends an "R" chassis for high security applications because they have added power line filtering to contain their RFI emissions.
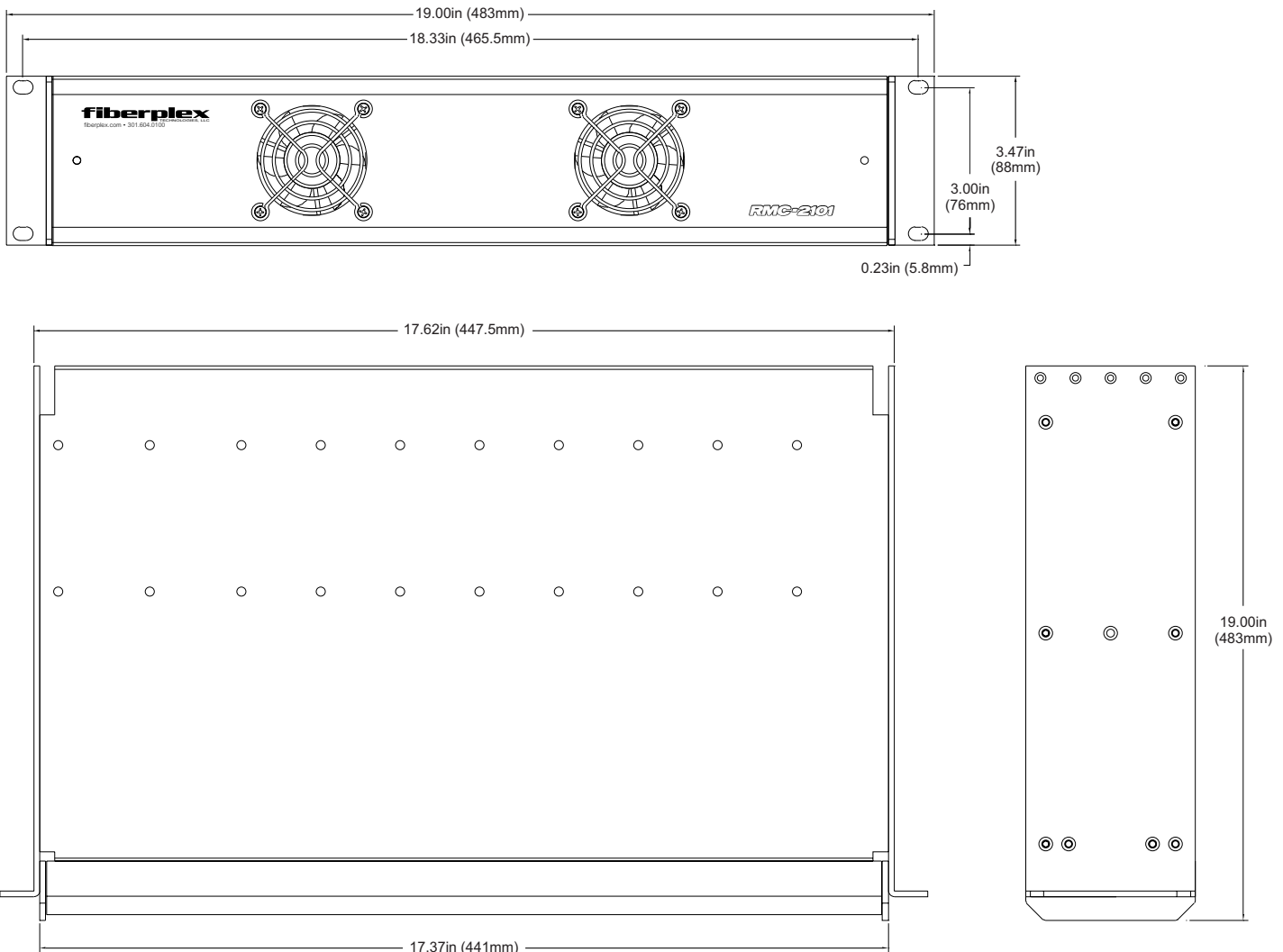
## Rack Mount Chassis

**3-1/2" H x 19" W**
**rear access with front exhaust fans**

**Features:**

- Up to nine fiber optic isolators can be mounted inside.
- Each fiber optic isolator is accessible and removable through the rear of the chassis.
- Power redundancy is available through an optional second power supply module.
- Enhanced air flow through two front exhaust fans.

19.00in (483mm)
18.33in (465.5mm)
3.47in (88mm)
3.00in (76mm)
0.23in (5.8mm)

17.62in (447.5mm)
19.00in (483mm)
17.37in (441mm)

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## Fan Specifications

| Speed | Max Air Pressure | | Air Flow | | Noise |
|---|---|---|---|---|---|
| 2500 RPM | 3.5 mmH2O | 0.14 InchH2O | 50.5 CFM | 1.43 m3/min | 34dBA @ 1M |

## Physical Dimensions

| Height | Width | Depth | Weight |
|---|---|---|---|
| 3.5 in (89mm) | 19 in (483 mm) | 11.35 in (288 mm) | 16 lb (7.25 kg) |

## Specifications - PSM-2010

| | | Min | Typ | Max | Unit |
|---|---|---|---|---|---|
| **Power Supply** | Input Voltage | 85 | - | 250 | VAC |
| | Input Frequency | 40 | - | 400 | Hz |
| | Input Power | - | 75 | - | W |
| | Output Voltage | - | 9 | - | VDC |
| | Supply Current | - | 8.3 | - | A |
| | Ouput Power | - | 75 | - | W |
| | | | | | |
| **Environmental** | Storage Temperature | -40 | - | 85 | °C |
| | Operating Temperature | 0 | - | 50 | °C |
| | | | | | |
| | | Length | Width | Height | Weight |
| **Case Dimensions** | PSM-2010 | 6.375 in (162 mm) | 1.57 in (40 mm) | 2.844 in (72 mm) | 1.6 lb (0.7 kg) |

## Accessories

| Model | Description |
|---|---|
| **CMA-2001** | Chassis Mount Adapter for FOI-2xxx and FOI-4xxx series |
| **PSM-2010** | Power Supply Module for RMC-2101 |

## Ordering Information

RMC-2101 ____

**RFI Suppression:**
Blank = standard unit
R = RFI suppressed
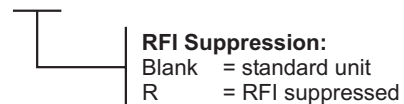
**Standard Options:**

RMC-2101
RMC-2101R