

# FR-2203

## Mini 10/100/1000Base-TX to 100/1000Base-FX



### Brief Introduction

Mini 10/100/1000Base-TX to 100/1000Base-FX Media Converter.

FR-2203 is a Gigabit Ethernet stand-alone Mini media converter that provides cost effective, entry-level media conversion between 1x10/100/1000Base-TX ports and 100/1000Base-FX ports. With its fixed configuration, deployments are just plug-and-play, and with its small size, it is ideal for locations where space is limited. 1x10/100/1000Base Fiber Media Converter, SFP Fiber Media Converter, Options in single mode dual fiber, multimode dual fiber and single mode single fiber.

We also supply Media Converter Chassis, the 1U height 12 slots media converter rack mount chassis specially designed for accommodating chassis-based mini Media Converters.

### Features

- > Unit and Port LEDs allow for quick status information
- > Auto-Negotiation
- > Fixed Full-Duplex on fiber
- > Auto-MDI/MDIX
- > Automatic Link Restoration
- > Connect to legacy network equipment
- > Eliminate Collision Domains
- > 10/100/1000Base-TX UTP to 1000Base-FX fiber media converter
- > Supports IEEE802.3U IEEE802.3z 1000Base-TX/FX protocols , IEEE802.3ab standards
- > SC/FC/ST/LC optional
- > DIP switch to set different configurations
- > Compact package size
- > Supports IEEE802.3x flow control; 100Base-FX interface; auto MDI-MDIX function; LFP function

### Specification

|                           |  |
|---------------------------|--|
| Transmission Distance     | Twisted-pa 100M standard CAT5/CAT5e cable<br>SFP, Distance depend on plug-in Fiber Transceiver<br>Fiber: MM 500m/2km, SM 20/40/60/80/120km |
| Store-and-Forward Mode    | 1518Bytes  |
| Pass Through Mode         | 9KBytes  |
| LFP Mode                  | Support  |
| DIP Switches              | LFP (optional)<br>ALS (optional)<br>FX Reset (optional)<br>FX Speed Set (optional)   |
| Connector                 | One UTP RJ-45 connector, one SC/ST/FC/SFP connector, one DC-inlet connector  |
| Operation Mode            | Full duplex or half duplex mode  |
| Power Requirement         | Operating Voltage DC 5~12V<br>Rated Current: 0.5/0.25A<br>Power Consumption: Full-load<3W  |
| Environmental Requirement | Operating Temperature:<br>0°C~50°C Storage Temperature:<br>-10°C~70°C<br>Relative Humidity: 5%~95% (non-condensation)<br>MTBF: 50,000 h    |
| Mechanical Structure      | Dimensions:<br>95mm(D)x60mm(W)x20mm(H) Weight:   |
| Warranty                  | 1 Year   |
| Emissions                 | FCC Class A, CE Class A  |

# FR-2000

## 12-Slot Mini Media Converter Rack



### Brief Introduction

Fiberroad provides Mini 10/100Base Fast Ethernet / 1000Base Gigabit Fiber Media Converter and SFP Fiber Media Converter, as well as 1U height 12 slots media converter rack mount chassis specially designed for accommodating chassis-based Mini Media Converters. The Mini Media converter is designed for Space Saving and powered by a single internal universal power supply, eliminating the need for the multiple power connections which associated with multiple converter installations.

The 1U 12 slots media converter rack mount chassis is cost effective and supports dual power DC48V/AC220V. Fiberroad offers space saving Mini Media Conversion in the wiring closet by providing a means for rack space while reducing the number of wall outlet power connections required. The Mini Media Converters is hot-swappable, which can be removed from the rack, powered externally, and used as stand-alone units in new applications as your network needs change in the future.

### Specification

|                 |   |
|-----------------|---|
| Part Number     | FR-2000   |
| Slots           | 12-slots in front for slide-in-modules  |
| Unit LEDs       | Power & In-Use LED's for each power supply (with use of optional LED module)        |
| Dimensions      | 440mm(D)×245mm(W)×45mm(H)   |
| Power           | Universal input 100~240V, 50/60Hz, 3.0~1.5A<br>Redundant Power Supply               |
| Environment     | The temperature: 0~50°C<br>Humidity: 5%~95% non-condensing<br>0-10,000 ft. altitude |
| Shipping Weight | 3.2kg   |
| Warranty        | 1 Year  |
| Compliance      | En60950; FCC; CE Mark   |

### Order Information

| Model Number | Port Description   |
|--------------|--|
| FR-2201      | Mini 10/100Base-TX to 100Base-FX Media Converter             |
| FR-2203      | Mini 10/100/1000Base-TX to 100/1000Base-FX Media Converter   |
| FR-2206      | Mini 2x10/100/1000Base-TX to 100/1000Base-FX Media Converter |
| FR-2211      | Mini 10G Media Converter                                     |
| FR-2209      | Mini SM to MM OEO Converter                                  |
| FR-2208      | Mini 125M~1.25G OEO Converter                                |
| FR-2212      | Mini 125M~11.7G OEO Converter                                |
| FR-2000      | Mini 12-Slot Media Converter Rack                            |