

## Managed 4U Rack Type FRM401

### 12-Slot Media Converter Chassis



The FRM401 is a copper to fiber media converter chassis that fits in a 19 or 23 inch rack and occupies 4U (7 inch) of rack space. The Hot Swappable Line Cards for the FRM401 are available in 10/100Base-TX Ethernet standard to fiber (100Base-FX) connection for multi-mode (up to 2Km) or single mode (up to 120Km) with all the popular connector types such as SC, ST, or FC. Line Cards are also available with the latest WDM (Wave Division Multiplexing) technology (up to 60Km and must be coupled) which converts the transmission and receiving data streams into separate wavelengths

and allows bi directional transport through a single fiber strand. Each Line Card contains four separate and identical media converters and may include optional features such as Link-loss forwarding, loop back testing, get remote status Packet size up to 1600 Bytes to support VLAN and QOS transmissions pass thru. A chassis, fully loaded with 12 Line Cards, can provide a total of 48 loops in a high density configuration especially suited for applications such as FTTH (Fiber to the Home).

### Features

- 4U high, 19(or 23) inch RACK, accommodates up to 12 line cards, each converter card provides four complete fiber converters
- Once the converter is installed, it is hot-swappable to avoid any other network downtime.
- RACK with Dual power modules designed for AC or DC power sharing, cooling fans included
- SNMP, serial console, Telnet management
- Supports an auto recovery function; the system can restore all settings back to original working status when the power or the connection is resumed
- Windows Based GUI

### Specifications

Power	AC	85 — 138 or 187 — 276 VAC
	DC	-42 — -60 VDC
Environment	Temperature	0 — 50°C (Operating); 0 — 70°C (Storage)
	Humidity	10 — 90% non condensing
Power Consumption	150W	
Dimensions(WxDxH)	438mm x 285mm x 180mm	
Weight	790g (empty chassis plus bracket)	
Compliance	FCC part 15 class A, CE Mark	
MTBF	66,480 hours	

### Ordering Info

Rack Mount FRM401 Chassis		
FRM401-CH/AC	4U, 19" 12-slot Chassis for AC power	
FRM401-CH/DC	4U, 19" 12-slot Chassis for DC power	
Power Supplier Module		
FRM4/AC-110	AC (85-138VAC) power supply module	
FRM4/AC-220	AC (187-276VAC) power supply module	
FRM4-DC	DC (42 to 60 VDC ) power supply module	
Network management		
FRM401-SNMP	SNMP card with RS-232 and 10 Base-T interface	
FRM-SNMP-GUI	GUI (Graphical User Interface)	

### Line Card Modules

Model	Description	Distance	Connector
FRM401-10/100F	10/100Base-TX to 100Base-FX	MM : 2km SM : 15/30/50/80/120km	SC/FC/ST
FRM401-10/100W	10/100Base-TX to 100Base-FX BIDI	WDM : 20/40/60km	

