

Managed 3U Rack Type FRM301

16-slot Media Converter Chassis



The FRM301 is a standard 3U, 19" or 23" rack mountable, fiber media platform that features 16 line cards capacity. Currently supported line cards include copper to fiber converters for 10/100Base-TX, or 10/100/1000Base-TX over multimode fiber (up to 2 km), single mode fiber (up to 120 km) or utilizing WDM (up to 60 km). WDM (Wave Division Multiplexing) converts each input-output data stream into separate wavelengths of light and transmits/receives these channels through the same optical fiber. Other FRM301 line cards can also support G.703 E1/T1, Datacom (V35, X.21, RS530/ 449/ 232) and Serial (RS485/ 422/ 232) data communication interfaces over fiber.

Features

- 3U, 19" (or 23") rack with convertible stand-alone units, rack accommodates up to 16 units
- CPE Remote status monitor
- Loop-back test
- Once the converter is installed, it is hot-swappable to avoid any other network downtime.
- Rack with Dual power modules designed for redundant power application, AC and/or DC, 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
- TFTP Firmware upgrade
- Windows Based GUI

Line Card Modules

Model	Description
FRM301-10/100F	10/100Base-TX to 100Base-FX MM or SM
FRM301-10/100W	10/100Base-TX to 100Base-FX BIDI
FRM301-1000TG	1000Base-TX to 1000Base-SX/LX GBIC
FRM301-1000TS	1000 Base-TX to 1000 Base-SX/LX SFP
FRM301-1000ES	10/100/1000Base-T to 1000Base SX/LX SFP
FRM301-1000MG	1000 Base-SX to 1000Base-LX MM to SM
FRM301-E1R/E1B	TDM G.703 E1 to FX
FRM301-T1R	TDM G.703 T1 to FX
FRM301-SERIAL	RS422/ 485/ 232/ 423 Terminal block to FX

Specifications

Material	Stainless paint	
Power	AC	90 — 264 VAC
	DC	-18 — -56 VDC
		-36 — -72 VDC
Environment	Temperature	0 — 50°C (Operating)
		0 — 70°C (Storage)
	Humidity	20 — 80% non condensing (Operating)
10 — 90% (Storage)		
Power Consumption	80W	
Dimensions(WxDxH)	440mm x 280mm x 130.6mm	
Weight	7.875kg (include 1 AC power modules & two ear panels for rack-mounting)	
Compliance	FCC part 15 class A, CE Mark	
MTBF	65000 hours	

Ordering Info

Rack Mount FRM301 Chassis	
FRM301-CH	3U, 19(23)" , 16-slot Chassis
Power Supply Module	
FRM301-AC	AC (90 to 264 VAC) power supply module, IEC connector
FRM301-DC1	DC (±18 to ±56 VDC) power supply module, 3-pin terminal block
FRM301-DC2	DC (±36 to ±72 VDC) power supply module, 3-pin terminal block
Network management	
FRM301-SNMP/C	SNMP card with RS-232 and 10Base-T interface
FRM-SNMP-GUI (Software)	GUI (Graphical User Interface)