

Managed Family

Slide-in card & stand-alone Gigabit Ethernet fiber converters

FRM301-1000TS, 1000TG FIB1-1000TS, 1000TG, FIB2-1000TG



The FRM301-1000TS and 1000TG are transparent Gigabit Ethernet 1000Base-T to 1000Base-SX/LX SFP or GBIC. They are managed (when installed in FRM301 with management) or non-managed stand-alone media converters, which give you the options to choose from a wide range of industry standard SFP modules with LC connectors. SFPs in multi-mode and single mode models are available as well as BiDi which allows bi-directional transmissions using only a single fiber cable. Because they are completely transparent to Ethernet packets, they are able to support any size frames, including undersized or jumbo packets (9K bytes). LED indicators signal the power status of the converter, UTP port speed, Link, and duplex status, FX port Link and duplex status.

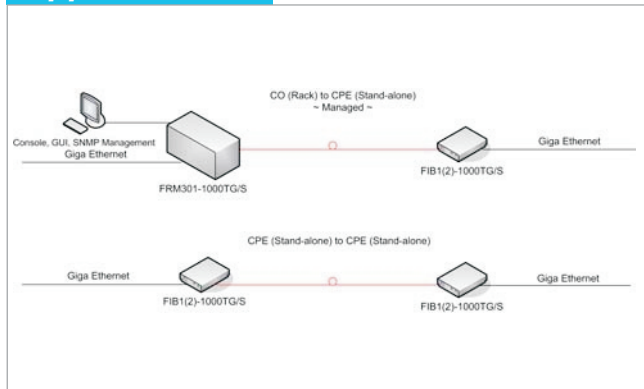
Features

- 1000Base-T to 1000Base-SX/LX
- Network management via terminal or SNMP in FRM301-CH chassis
- Auto-negotiation or forced mode
- Auto MDI/MDIX
- Forward 9k bytes (Max.) packets
- Support Link Fault Pass through (LFP) function
- Auto Laser Shutdown (ALS)

Specifications

Ports	Connector : 1x9 (SC, ST, FC)
Optical Interface :	Data rate : 1000Mbps
	Duplex mode : Full duplex
	Cable type : MM 62.2/125µm, 50/125µm. SM 9/125µm
Distance :	MM 2km, SM 15/30/50/80/120km, WDM 20/40/60/80km
	Wavelength: 1310nm, 1550nm
Electrical Interface :	Connector : RJ45
	Data rate : 1000Mbps
	Duplex mode: Half / Full duplex
	Cable type : 1000Base-TX Cat.6, 5e Distance: 100 meters
Standard	IEEE 802.3
LEDs	Power, FX Link, FX Duplex, TX SPD, TX Link, TX Duplex
Power	FIB1:DC In 9V, FIB2:AC 100 ~ 240V/ DC 24 ~ 72V
Power Consumption	< 4W
Dimensions (D x W x H)mm	FRM301/FIB1: 123 x 86 x 20mm
	FIB2: 192 x 86 x 30mm
Weight	FRM301: 290g, FIB1: 340g, FIB2: 550g
Temperature	0~50°C (Operating) ,0~70°C (Storage)
Humidity	10~90% non-condensing
Certification	CE, FCC, RoHS
MTBF	65,000 h (25°C)

Application



Ordering Information

- **FRM301-1000TS** 1000Base-TX to 1000Base-SX/LX SFP slide-in card
- **FIB1-1000TS** 1000Base-TX to 1000Base-SX/LX SFP stand-alone converter
- **FRM301-1000TG** 1000Base-TX to 1000Base-SX/LX GBIC slide-in card
- **FIB1-1000TG** 1000Base-TX to 1000Base-SX/LX GBIC stand-alone converter
- **FIB2-1000TG** 1000Base-TX to 1000Base-SX/LX GBIC with AC or DC power built-in

