10/100/1000Base-T to 1000Base-X SFP media coverter
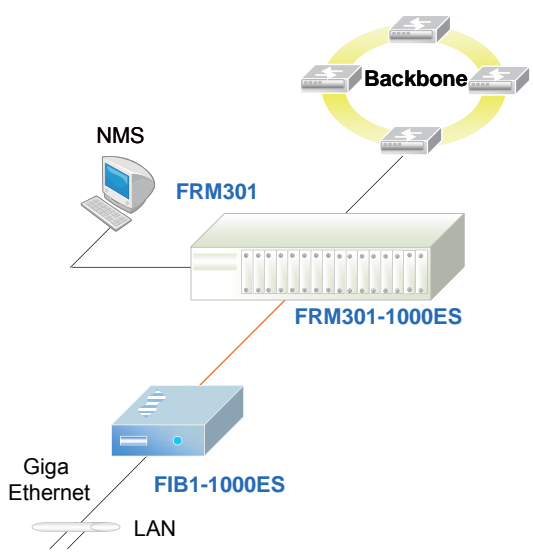
FIB1-1000ES
FRM301-1000ES

The FRM301-1000ES and FIB1-1000ES are Gigabit Ethernet 10/100/1000Base-T to 1000Base-SX/LX SFP. 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. When auto-negotiation is selected, these units will automatically tailor themselves to convert both half-duplex and full-duplex signals, depending on your specific network needs. LED indicators signal the power status of the converter, UTP port speed, Link, and duplex status, FX port Link and duplex status.
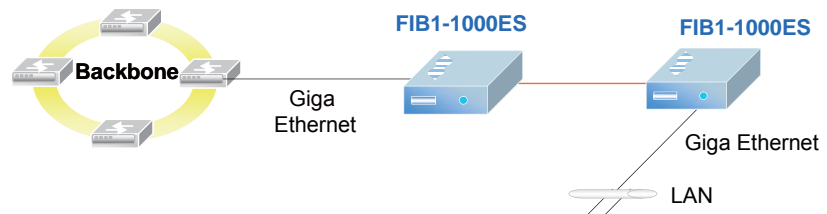
Optical Interface		
	Connector	1x9 (SC) or SFP LC
	Data rate	1000Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125µm, 62.5/125µm. SM 9/125µm
	Distance	MM 550m, 2km, SM 15/30/50/80/120km WDM 20/40/60km
	Wavelength	MM 1310nm, SM 1310,1550nm WDM 1310Tx/1550Rx (type A) 1550Tx/1310Rx (type B)
Electrical Interface	Connector	RJ45
	Data rate	10Mbps, 100Mbps, 1000Mbps
	Duplex mode	Half / Full duplex
	Cable	10Base-T Cat.3, 4, 5, UTP 100Base-TX Cat.5, 5e or higher 1000Base-T Cat.5, 5e or higher
Standard	IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3z	
Indications	LED (Power, FX-Link, TX-Link, TX-SPD, TX-Duplex, LLF)	
Power Input	Card : 12VDC	
	Standalone : AC, DC options	
Power Consumption	< 5W	
Dimension	123 x 86 x 20mm (D x W x H)	
Weight	FRM301: 290g, FIB1:340g	
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)	
Humidity	10 ~ 90% non-condensing	
Certification	CE, FCC, LVD, RoHS	
MTBF	65,000 hrs (25°C)	

Features

- 10/100/1000Base-T to 1000Base-SX/LX SFP
- Network management via terminal, or SNMP in FRM301 chassis
- Auto-negotiation or forced mode
- Auto MDI/MDIX
- Forward 1632 bytes (Max.) packets
- Supports Flow control (Pause)
- Support Link Fault Pass through (LFP) function
- Auto Laser Shutdown (ALS)

Gigabit Ethernet Media Converter

Ordering Information

FRM301- ☐☐☐☐☐

FIB1- ☐☐☐☐☐ Model type

1000ES

Example: FRM301-1000ES