



FMC-1000

10/100/1000Base-T to 1000Base-X Gigabit Ethernet Media Converter

The FMC-1000 family are Gigabit Ethernet 10/100/1000Base-T to 1000Base-X Non-managed stand-alone media converters. Both multi-mode and single mode converter models are available as well as BiDi which allows bi-directional transmissions using only a single fiber cable. Auto-negotiation will automatically tailor to convert full-duplex signals, according to IEEE802.3u standards. LED indicators signal the power status of the converter, UTP port speed and link status FX port speed and link status.

Features

- 10/100/1000Base-T to 1000Base-X Converter
- Auto-Negotiation (default setting)
- Auto MDI/MDIX
- Forward 2048 bytes (MAX.) packets
- Concentrated into FMC-CH17 or FMC-CH08 chassis (FMC-1000 Adapter type only)
- Supports flow control
- Supports Link Fault Pass-through (LFP)

Specifications

Optical Interface	Connector	1X9 (SC)
	Data rate	1.25G
	Duplex mode	Full duplex
	Fiber	MM 50/125μm, 62.5/125μm SM 9/125μm
	Distance	MM 500m, 2km, SM 10km, 20km, 40km WDM 20km, 40km, 80km, 120km
	Wavelength	MM 850nm, SM 1310, 1550nm WDM 1310Tx/1550Rx (Type A) 1550Tx/1310Rx (Type B)
Electrical Interface	Connector	RJ-45
	Data rate	10Mbps, 100Mbps, 1000Mbps
	Duplex mode	Full duplex
	Cable	100Base-TX Cat.5, 5e or Cat.6 1000Base-T Cat.5, 5e or Cat.6
Standards	IEEE 802.3, 802.3u, 802.3Z, 802.3ab	

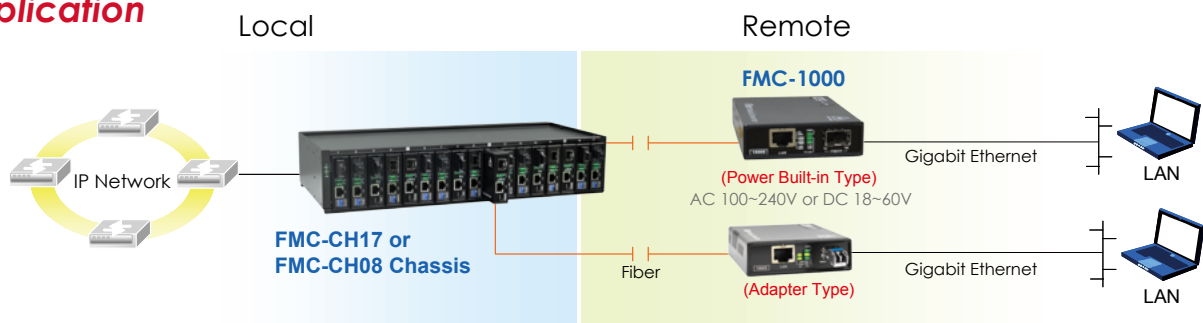
FMC-1000-AD

- Metal Chassis
- Power built-in type: AC + DC
- Dimension: 198x 135x 308mm (DxWxH)



Indications	LED (Power, FX Link, FX SPD, TX SPD, TX Link)
Power Input	12VDC Power adapter : FMC-1000
	100~240VAC : FMC-1000-AC
	24/48 (18~60VDC) : FMC-1000-DC
	AC (100~240VAC) + DC (18~60VDC) Redundant Power: FMC-1000-AD
Power Consumption	< 3W
Dimensions (D x W x H)	108x 73.4x 23mm (FMC-1000)-Plastic
	135x 73.4x 23mm (FMC-1000-AC, FMC-1000-DC)-Plastic
	198x 135x 308mm (FMC-1000-AD)-Metal
Weight	120g (FMC-1000) 140g (FMC-1000-AC, FMC-1000-DC) 800g (FMC-1000-AD)
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, RoHS compliant
MTBF	65,000 hrs

Application



Ordering Information

Model Name	Description
FMC-1000	10/100/1000Base-T to 100/1000Base-X Non-Managed Media Converter Adapter Type
FMC-1000S-AC	10/100/1000Base-T to 100/1000Base-X Non-Managed Media Converter with AC Power
FMC-1000S-DC	10/100/1000Base-T to 100/1000Base-X Non-Managed Media Converter with DC Power
FMC-1000S-AD	10/100/1000Base-T to 100/1000Base-X Non-Managed Media Converter with AD Power
Connector Type	Connectivity Distance
SC	N/M 001: 500m 002: 2km
	S/M 010: 10km 020: 20km 040: 40km
	BiDi 20A: WDM 20km A type 20B: WDM 20km B type
	40A: WDM 40km A type 40B: WDM 40km B type
	80A: WDM 80km A type 80B: WDM 80km B type
	120A: WDM 120km A type 120B: WDM 120km B type

Power Type
FMC - 1000 - ☐ ☐
 Example: FMC - 1000 - DC