

# **FMC-1000S**

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

The FMC-1000S family are Gigabit Ethernet 10/100/1000Base-T to 1000Base-X non-managed stand-alone media converters, which give you the fiber cabling connectors, LC with SFP module. Pluggable SFP are available in both multi-mode and single mode types 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
- Auto MDI/MDIX
- Forward 2048 bytes (Max.) packets

#### **Specifications**

Optical Interface	Connector	SFP LC	
	Data rate	1.25G	
	Duplex mode	Full duplex	
	Fiber	MM 50/125µm, 62.5/125µm	
		SM 9/125µm	
	Distance	MM 2km, SM 15/30km	
		WDM 20/40km	
	Wavelength	MM 1310nm, 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 higher	
		1000Base-T Cat.5, 5e or higher	

<ul> <li>Supports Q in Q double tagged frame transparent</li> </ul>
<ul> <li>Supports IEEE 802.1Q Tag VLAN pass thru</li> </ul>

 Concentrated into FMC-CH17 or FMC-CH08 chassis (FMC-1000S Adapter type only)

Standards	IEEE 802.3, 802.3u, 802.3Z, 802,3ab		
Indications	LED (Power, FX Link, FX SPD, TX SPD, TX Link)		
Power Input	Adapter Type: DC 12V		
	Power Built-in Type : AC 100 ~ 240V		
	Power Built-in Type: DC 18 ~ 60V		
Power Consumption	< 3W		
Dimensions (D x W x H)	Adapter Type:108 x 73.4 x 23mm		
	Power Built-in Type : 135 x 73.4 x 23mm		
Weight	Adapter Type : 120g		
	Power Built-in Type : 140g		
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-1000S	10/100/1000Base-T to 1000Base-X SFP Non-managed Media Converter Adapter Type	Power Type
FMC-1000S-AC, DC	10/100/1000Base-T to 1000Base-X SFP Non-managed Media Converter with AC or DC Power	<b>FMC – 1000S – </b> Example: FMC – 1000S – DC

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.

FMC-1000S