



FMC-1000S-PH

10/100/1000Base-T to 100/1000Base-X SFP with PoE+ (PSE) Fiber Converter

FMC-1000S-PH is an unmanaged Gigabit Ethernet media converter that supports conversion between electrical 10/100/1000Base-T and optical 1000Base-X Ethernet and as PSE (Power Source Equipment) provide PoE+ power over Ethernet. FMC-1000S-PH provides an SFP cage for 100/1000Base-X compatible SFP modules.

Features

- Conversion between 10/100/1000Base-T and 100/1000Base-X
- Supports dual rate (100/1000) SFP for selectable Fast or Gigabit speed on fiber
- PoE output voltage upto 55VDC
- Supports IEEE 802.3at/af PoE, output 30Watts Power Budget
- Supports LFPT (Link Fault Pass Through)
- Supports DIP SW for setting LFPT, Switch or Converter mode, SFP speed
- Wall Mount and compact size for easy installation
- Supports Jumbo frame 9K bytes packet

Specifications

Standard	IEEE 802.3 10Base-T, IEEE 802.3u 100Base-T(X) IEEE 802.3u 100Base-FX, IEEE 802.3ab 1000Base-T(X) IEEE 802.3z 1000Base-SX/LX IEEE 802.3x Flow Control and Back pressure IEEE 802.3at Power over Ethernet + PoE+ IEEE 802.3af Power over Ethernet, PoE	Connector and Pin assignment	RJ-45 port support IEEE 802.3at/af End-Span, Alternative A mode. Positive (V+): RJ-45 pin 1, 2 Negative (V-): RJ-45 pin 3, 6 Data : 1, 2, 3, 6, 4, 5, 7, 8
RJ45 Ports	10/100/1000Base-T	LED	Per Unit: Power (Green) Fiber LNK/ACT (Green) RJ-45 port: 100LK/Act (Green), 1000LK/Act (Green) Dup/Col (Green) PoE Status (Green): Flash: PoE Fault (Over-load or short) On: PoE normal working Off: PoE No Power output
Fiber Ports	100/1000Base-X SFP	Power Input	48V~57VDC Input (Ship with 56VDC Power Adapter)
Data process Architecture	Store and Forward mode or Pass through mode set by DIP SW	Power Adapter	Input 100/110/120/220/240 VAC (Wide Range) Output 36W, 56VDC
Jumbo Frame	9K bytes	PoE output voltage	55VDC
Fiber parameters	Fiber Cable (Multi-mode): 50/125um,62.5/125um Fiber Cable (Single-mode):9/125um Wavelength: 1310nm (Multi-mode/Single-mode) Available distance: 500M (Multi-mode SX) 20/40KM (Single-mode) SFP, Distance depend on plug-in Fiber Transceiver	PoE Power Budget	30W (Maximum)
Link Fault Pass through (LFPT)	TX-- Fiber: If TX port link down, the media converter will force Fiber port to link down Fiber--TX: If Fiber port link down, the media converter will force TX port to link down	Power Consumption	Maximum 35.4W (include PoE power budget 30W)
DIP Switch	Off: LFPT Disable On: LFPT Enable Data process Architecture Off: Store and Forward Switch mode On: Pass through mode Fiber Mode: Off: Auto On: Force SFP Fiber Speed Off: 1000BaseX On: 100Base X	Operating Humidity	10 ~ 90% non-condensing
Connector and Pin assignment	SFP Slot RJ-45 Socket: CAT-3/5 (10/100Mbps) Twisted Pair cable Auto MDI/MDI-X and Auto-Negotiation Function Support	Operating Temperature	0°C ~ 50°C
		Storage Temperature	-40°C ~ 85°C
		Housing	Plastic
		Dimension	108 x 23 x 74mm (D x W x H)
		Weight	80g
		Installation	Desk top or Wall Mounting (Optional)
		EMC	FCC Class A, CE
		MTBF	749556

Application



Ordering Information

Model Name	Description
FMC-1000S-PH	10/100/1000Base-T to 100/1000Base-X SFP With PoE+ (PSE) Fiber Converter (30W)
FMC-1000S-PH-WM	10/100/1000Base-T to 100/1000Base-X SFP With PoE+ (PSE) Fiber Converter (30W) with wall mount kit



Example: FMC - 1000S-PH- -
 FMC - 1000S-PH- WM - SC002

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