

PMC-1000S PoE Media Converter

10/100/1000Base-T to 100/1000Base-X SFP with PoE+ (30W) Media Converter



PMC-1000S is a managed 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. PMC-1000S provides an SFP cage for 100/1000Base-X compatible SFP modules. By offering in-band management, this converter can be remotely controlled and monitored in a centrally located managed rack via FMC-1800 media converter rack.

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 up to 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 16K bytes packet
- Supports remote in-band management by FMC-1800 SNMP manager

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
RJ45 Ports	10/100/1000Base-T
Fiber Ports	100/1000Base-X SFP
Data Process Architecture	Store and Forward mode or Pass through mode, set by DIP SW
Jumbo Frame	16K bytes
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
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
DIP Switch	DIP 1 OFF: Store and Forward ON: Pass Through DIP 2 OFF: LFPT Disable ON: LFPT Enable DIP 3 OFF: 1000 Base X ON: 100 Base X DIP 4 OFF: PoE Enable ON: PoE Disable

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
	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
LED	Data : 1, 2, 3, 6, 4, 5, 7, 8
	Per Unit: Power (Green), Fiber LNK/ACT (Green)
	RJ-45 port: 100LNK/ACT(Green), 1000LNK/ACT(Green)
	PoE Status (Green): On: PoE normal working Off: PoE No Power output
Power Input	48V~57VDC Input (Ship with 56VDC Power Adapter)
Power Adapter	Input 100/110/120/220/240 VAC (Wide Range), Output 36W, 56VDC
PoE Output Voltage	55VDC
PoE Power Budget	30W (Maximum)
Power Consumption	Maximum 35.4W (include PoE power budget 30W)
Operating Humidity	10 ~ 90% non-condensing
Operating Temperature	0°C ~ 50°C
Storage Temperature	-40°C ~ 85°C
Housing	Plastic
Dimension	108 × 23 × 74mm (D×W×H)
Weight	80g
Installation	Desk top or Wall Mounting (Optional)
EMC	FCC Class A, CE
MTBF	749556

Application



Ordering Information

Model Name	Description
PMC-1000S	10/100/1000Base-T to 100/1000Base-X SFP With PoE+ (PSE) Fiber Converter (30W)

Optional Accessories

Model Name	Description
WMK01	Single unit wall mounting kit

■ Wall-Mounting Kit

