

## PoE PD Media Converter

# PMC-100PD

## 10/100Base-TX to 100Base-FX PoE PD Media Converter



The PMC-100PD is Power over Ethernet 10/100Base-TX to 100Base-FX non-managed PD(Power Device) Fiber converter, which give you the options to choose from the most popular fiber cabling connectors, ST, SC, FC. 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. With Power over Ethernet (PoE) feature, PMC-100PD takes power supply over Ethernet cable from PoE Ethernet Switch and may work without external power adapter. When auto-negotiation is selected, these units will automatically tailor themselves to convert both half-duplex and full-duplex signals, according to IEEE802.3u standards. LED indicators signal the power status of the converter, UTP port speed, Link, and duplex status, FX port Link and duplex status.

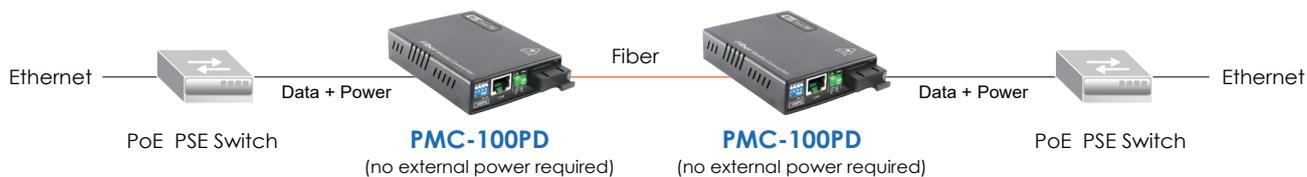
### Features

- 10/100Base-TX to 100Base-FX Converter
- Auto-Negotiation or forced mode
- Auto MDI/MDIX
- Forward 1600 bytes (Max.) packets
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1Q Tag VLAN pass thru
- Supports flow control (Pause)
- Supports Link Fault Pass-Through (LFPT)
- Forward 9K jumbo packets in converter mode
- Supports IEEE802.3af/at Power over Ethernet

### Specifications

<b>Optical Interface</b>	Connector	1 × 9 (SC, ST, FC)
	Data rate	125Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125μm, 62.5/125μm SM 9/125μm
	Distance	MM 2km, SM 15/30/50/80/120km WDM 20/40/60/80km
	Wavelength	WDM 1310Tx/1550Rx (type A)1550Tx/1310Rx (type B)
	<b>Electrical Interface</b>	Connector
Data rate		10Mbps, 100Mbps
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
PD Input Power		48VDC
<b>Standards</b>	IEEE 802.3, IEEE 802.3u, IEEE 802.3af/at	
<b>Indications</b>	LED (Power, FX Link, TX SPD, TX Link, TX Duplex, FEF)	
<b>Power Input</b>	PoE or DC12V : DC 12V In	
<b>Power Consumption</b>	< 4W	
<b>Dimensions</b>	108 × 74 × 23mm (D×W×H)	
<b>Weight</b>	120g	
<b>Temperature</b>	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)	
<b>Humidity</b>	10 ~ 90% non-condensing	
<b>Certification</b>	CE, FCC	

## Application



## Ordering Information

Model Name	Description
PMC-100PD	10/100Base-TX to 100Base-FX PoE PD Media Converter

Connector Type	Connectivity Distance
SC, ST, FC	002: 2km 015: 15km 030: 30km 050: 50km 20A: WDM 20km A type 20B: WDM 20km B type 40A: WDM 40km A type 40B: WDM 40km B type