

# IFC-100PD

## 10/100Base-TX to 100Base-FX Power over Ethernet PD Media Converter



PoE/PD converter

The IFC-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, IFC-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. The stand-alone converter may also be concentrated into either the FMC-CH08 or FMC-CH17 non-managed chassis.

### Features

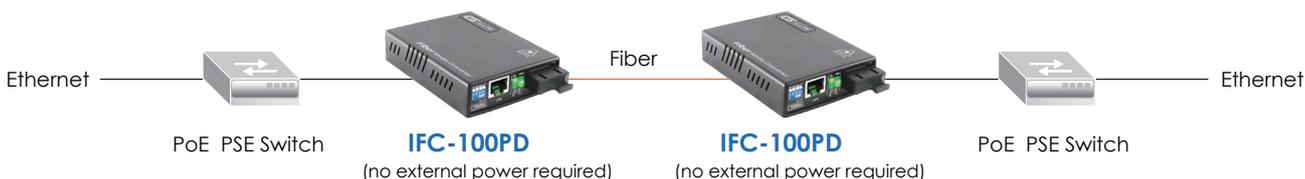
- 10/100Base-TX to 100Base-FX Converter
- Auto-Negotiation or forced mode
- Auto MDI/MDIX
- Forward 1600 bytes (Max.) packets
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1Q Tag VLAN pass thru
- Supports flow control (Pause)
- Supports Link Fault Pass-Through (LFPT)
- Forward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

### Specifications

Optical Interface	
Connector	1x9 (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) 1550Tx/1310Rx (type B)
Electrical Interface	
Connector	RJ-45
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
<b>Indications</b>	LED (Power, FX Link, TX SPD, TX Link, TX Duplex, FEF)
<b>Power Input</b>	FMC: DC 12V In
<b>Power Consumption</b>	< 4W
<b>Dimensions</b>	108 x 74 x 23mm (D x W x 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, RoHS compliant
<b>MTBF</b>	65,000 hrs

### Application



### Ordering Information

Model Name	Description
IFC-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    080: 80km    120: 120km 20A: WDM 20km A type    20B: WDM 20km B type    40A: WDM 40km A type    40B: WDM 40km B type 60A: WDM 60km A type    60B: WDM 60km B type    80A: WDM 80km A type    80B: WDM 80km B type

Connector Type    Connectivity Distance  
**IFC - 100PD** -   
 Example: **IFC - 100PD - SC002**

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