



IFC-1000PSE IFC-1000PSE/A

Gigabit Ethernet PoE PSE Media Converter

The IFC-1000PSE/A is a copper to fiber Gigabit Ethernet solution designed to make conversion between 10/100/1000Base-T to 1000Base-SX/LX with SFP LC connector. The IFC-1000PSE complies with IEEE802.3af Power Over Ethernet standard with external AC power adapter or internal AC power build-in. This PoE media converter is a Power Sourcing Equipment (PSE) which combines data received over a TP link with 48VDC power, providing power to IEEE802.3af powered device (PD) over the existing CAT5 UTP cable. Other features include Link fault Pass-Through (LFPT), Store and Forward Switching, auto or forced mode setting for copper Ethernet as well as auto laser shutdown.

Features

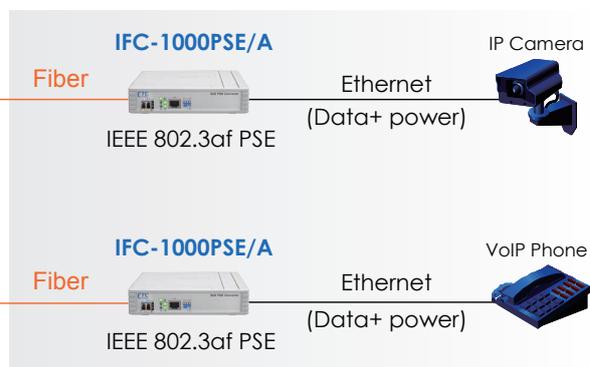
- 10/100/1000Base-T to 1000Base-SX/LX SFP
- IEEE 802.3af Compliant PSE (power sourcing equipment)
- Auto-negotiation or forced mode
- Auto MDI/MDIX
- Store and Forward Switching Mechanism
- Supports 4K MAC address
- Supports 256K Byte Packet Buffer
- Forward 1632 bytes (max.) packets
- Supports Link fault Pass-Through (LFPT) function

Specifications

Optical Interface	Connector	SFP LC
	Data rate	1250Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125µm, 62.5/125µm. SM 9/125µm
	Distance	MM 550m, 2km, SM 15/30/50/80/120km WDM 20/40/60km
	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	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

PSE Output Power	Class 0:	15.4w
	Class 1:	4w
Standards	Class 2:	7w
	Class 3:	15.4w
Indications	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3af, 802.3x LED (Power, FX-Link, FX Duplex, TX-SPD, TX-Duplex, TX-Link)	
Power Input	100 ~ 240VAC	
Power Consumption	< 5W (w/o PSE Output Power)	
Dimensions	201 x 135 x 35mm (D x W x H)	
Weight	0.58kg	
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)	
Humidity	10 ~ 90% non-condensing	
Certification	CE, FCC, RoHS compliant	
MTBF	75,000 hrs	

Application



Ordering Information

Model Name	Description
IFC-1000PSE/A	GE PSE media converter with DC 48V in AC adapter
IFC-1000PSE-AC	GE PSE media converter with built-in AC power 100 ~240V

Interface Power Type
IFC - □□□□□□□□ - □□
 Example: IFC - 1000PSE- AC