



IFC-1000PSE/A

100/1000Base-T to 1000Base-X SFP PoE PSE Converter with Adapter

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.

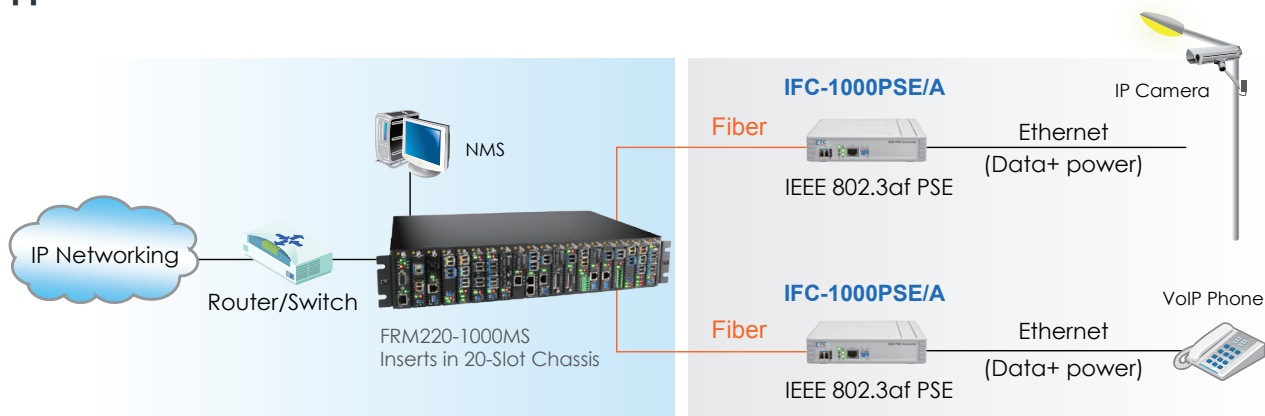
Feature

- 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	PSE Output Power	Class 0: 15.4w	Class 1: 4w	
	Data rate	1250Mbps		Class 2: 7w	Class 3: 15.4w	
	Duplex mode	Full duplex		Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3af, 802.3x	
	Fiber	MM 50/125µm, 62.5/125µm. SM 9/125µm			Indications	LED (Power, FX-Link, FX Duplex, TX-SPD, TX-Duplex, TX-Link)
	Distance	MM 550m, 2km, SM 15/30/50/80/120km WDM 20/40/60km		Power Input		100 ~ 240VAC, -48VDC
	Wavelength	MM 1310nm, SM 1310,1550nm WDM 1310Tx/1550Rx (type A) 1550Tx/1310Rx (type B)		Power Consumption	< 5W (w/o PSE Output Power)	
Electrical Interface	Connector	RJ-45	Dimensions	201 x 135 x 35mm (D x W x H)		
	Data rate	10Mbps, 100Mbps, 1000Mbps	Weight	0.58kg		
	Duplex mode	Half / Full duplex	Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)		
	Cable	10Base-T Cat 3, 4, 5, UTP 100Base-TX Cat 5, 5e or higher 1000Base-T Cat 5, 5e or higher	Humidity	10 ~ 90% non-condensing		
			Certification	CE, FCC		
			MTBF	75,000 hrs		

Application



Ordering Information

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

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