

# 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.

## Features

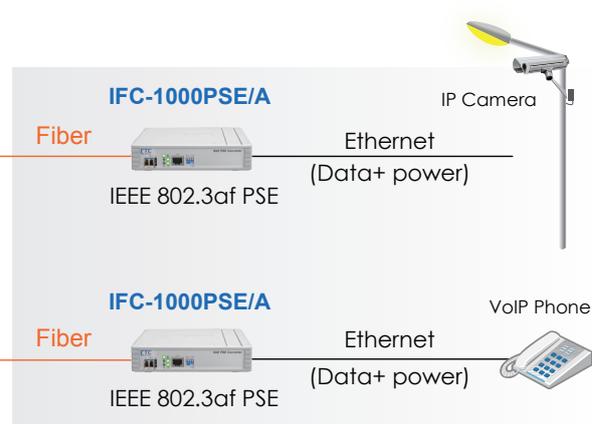
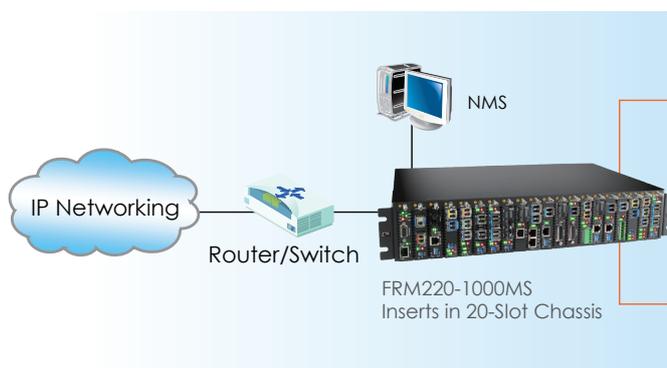
- 10/100/1000Base-T to 1000Base-SX/LX SFP
- IEEE 802.3af Compliant PSE (power sourcing equipment)
- Auto-negotiation or forced mode
- Auto MDI/MDIX
- Store and Forward Switching Mechanism
- Supports 4K MAC address
- Supports 256K Byte Packet Buffer
- Forward 1632 bytes (max.) packets
- Supports Link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

## Specifications

<b>Optical Interface</b>	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)
<b>Electrical Interface</b>	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

<b>PSE Output Power</b>	Class 0:	15.4w
	Class 1:	4w
	Class 2:	7w
	Class 3:	15.4w
<b>Standards</b>	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3af, 802.3x	
<b>Indications</b>	LED (Power, FX-Link, FX Duplex, TX-SPD, TX-Duplex, TX-Link)	
<b>Power Input</b>	100 ~ 240VAC, -48VDC	
<b>Power Consumption</b>	< 5W (w/o PSE Output Power)	
<b>Dimensions</b>	201 x 135 x 35mm (D x W x H)	
<b>Weight</b>	0.58kg	
<b>Temperature</b>	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)	
<b>Humidity</b>	10 ~ 90% non-condensing	
<b>Certification</b>	CE, FCC	
<b>MTBF</b>	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