



Gigabit Ethernet PSE Media Converter

OFC-1000PSE/A

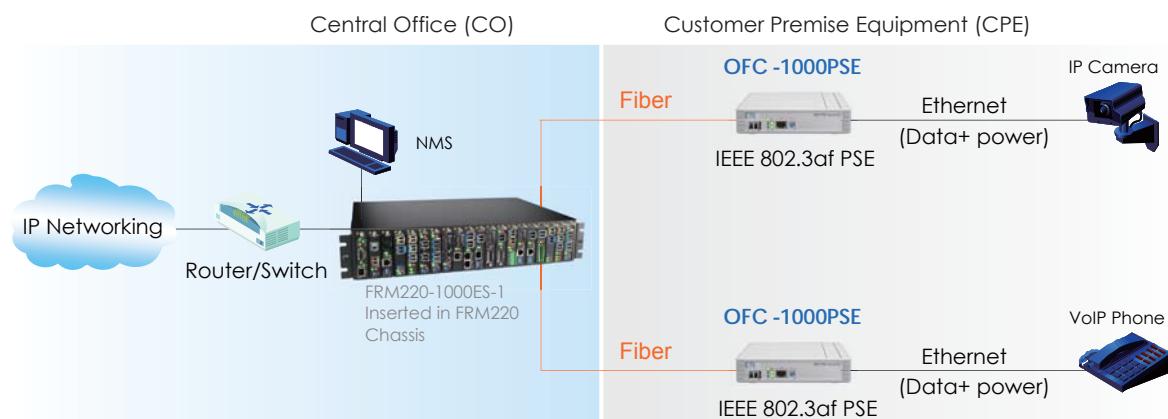
The OFC-1000PSE is a copper to fiber Gigabit Ethernet solution designed to make conversion between 10/100/1000 Base-T to 1000Base-SX/LX with SFP LC connector. The OFC-1000PSE complied with IEEE802.3af Power Over Ethernet standard with external AC power adapter or internal AC power build-in. This PoE 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 (LFP), 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
- Support IEEE 802.3af Compliant PSE (power sourcing equipment)
- Auto-negotiation or forced mode
- Auto MDI/MDIX
- Store and Forward Switching Mechanism
- Support 4K MAC address
- Support 256K Byte Packet Buffer
- Forward 1632 bytes (max.) packets
- Support Link fault pass through (LFP) function

Specifications

Optical Interface	Connector	SFP LC
	Data rate	1000Mbps
	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
Electrical Interface	Connector	RJ45
	Data rate	10Mbps, 100Mbps, 1000Mbps
Standard Indications	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 Class 2: 7w Class 3: 15.4w
	Standard	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3af, 802.3x
Power Input	LED (Power, FX-Link, FX Duplex, TX-SPD, TX-Duplex, TX-Link)	
	Power Input	100~240VAC, 48VDC 20W
	Power Consumption	< 5W (with PSE Output Power)
	Dimension	201 x 135 x 35mm (D x W x H)
	Weight	580g
	Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
	Humidity	10 ~ 90% non-condensing
	Certification	CE, FCC, LVD, RoHS
	MTBF	75,000 hrs (25°C)



Ordering Information

- OFC-1000PSE/A : GE PSE media converter with AC100~240V to DC48V adapter
- OFC-1000PSE-AC: GE PSE media converter with built-in AC power 100 ~ 240V
- OFC-1000PSE-DC: GE PSE media converter with built-in DC power 18 ~ 72V