The SSF-SFP-RJ45POE-1G is a Gigabit Ethernet 10/100/1000Base-T to 100/1000Base-X non-managed stand-alone media converter. This converter offers PoE+ (30W PSE).

Additionally, the SSF-SFP-RJ45POE-1G is equipped with DIP switches for flexibility in configuration. Gigabit and Fast Ethernet operation is possible due to the SFP slot, which can accept all SFP types, including multimode, single mode, CWDM, DWDM, or BiDi. BiDi allows bi-directional transmission over a single strand of fiber.

DIP sw allows the setting of the fiber port speed, LFP function, or transparent or switching converter mode.

LED indicators signal the power status, UTP and FX port speed and link status of each port.

FEATURES AND BENEFITS

- 10/100/1000Base-T to 100/1000Base-X SFP Converter
- DIP settings for fiber speed, LFP functions and PoE type
- Forward 2048 bytes (Max.) packets in switch mode
- Forward 9Kbytes Jumbo packets in transparent converter mode
- Auto-Negotiation & Auto MDI/MDI-X
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1Q Tag VLAN pass thru

APPLICATION EXAMPLE

PART NUMBER	DESCRIPTION
SSF-SFP-RJ45POE-1G	Gigabit 10/100/1000Base-Tx to 100/1000Base-X SFP slot, DIP sw with PoE+

SPECIFICATIONS

OPTICAL INTERFACE

Connector	SFP slot
Data Rate	1.25G (GE) or 155M (FE)
Duplex Mode	Full duplex
Fiber	MM 50/125μm, 62.5/125μm SM 9/125μm
Distance	Depending on SFP used
Wavelength	Depending on SFP used MM 1310nm, SM 1310, 1550nm WDM 1310TX/1550Rx (Type A) WDM 1550TX/1310Rx (Type B)

STANDARDS AND POWER

Standards	IEEE 802.3, 802.3u, 802.3Z, 802.3ab
Indications	LED (Power, FX Link, SPD, TP Link)
Power Input	AC 100 ~ 240V, 47-63Hz AC power cord included
PoE Specs	54VDC voltage output, short and overload protection Pin polarity 1/2 (V+),3/6 (V-); IEEE 802.3at
Power Consumption	< 5W with no PSE, 35.4W at max load PoE+ (802.3at)
Certification	CE, FCC
MTBF	65,000 hrs

ELECTRICAL INTERFACE

Connector	RJ45
Data Rate	10Mbps, 100Mbps, 1000Mbps
Duplex mode	Full duplex
Cable	100Base-TX Cat .5, 5e or higher 1000Base-T Cat.5, 5e or higher

OPERATION & DETAILS

Operating Temperature	0 ~ 50°C
Operating Humidity	10 ~ 90% non-condensing
Storage Temperature	-20 ~ 85°C
Dimensions	140 x 110 x 40mm (SFP transceiver and AC power cord not included)
Weight	Adapter : 90g Converter : 120g