

# Cleerline Media Converter

1 x SFP to 1 x RJ45 Gb Ethernet Media Converter



The SSF-SFP-RJ45-1G is a Gigabit Ethernet 10/100/1000Base-T to 100/1000Base-X non-managed stand-alone media converter, equipped with DIP switches for configuration options. The SFP slot allows both Gigabit and Fast Ethernet operation, and 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 and LFP functions
- 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
- Aggregates into SSF-1RU-E3 chassis (12 slots on 1RU space)

## APPLICATION EXAMPLE



PART NUMBER	DESCRIPTION
SSF-SFP-RJ45-1G	Gigabit 10/100/1000Base-Tx to 100/1000Base-X SFP slot, DIP sw

## SPECIFICATIONS

OPTICAL INTERFACE		STANDARDS AND POWER	
Connector	SFP slot	Standards	IEEE 802.3, 802.3u, 802.3Z, 802.3ab
Data Rate	1.25G (GE) or 155M (FE)	Indications	LED (Power, FX Link, SPD, TP Link)
Duplex Mode	Full duplex	Power Input	Adapter Type: DC 5V/1A Power Input : AC 100 ~ 240V, 50-60Hz Power Plug: US 2 blade, type A Connector
Fiber	MM 50/125 $\mu$ m, 62.5/125 $\mu$ m SM 9/125 $\mu$ m	Power Consumption	<4W
Distance	Depending on SFP used	Certification	CE, FCC
Wavelength	Depending on SFP used MM 1310nm, SM 1310, 1550nm WDM 1310TX/1550Rx (Type A) WDM 1550TX/1310Rx (Type B)	MTBF	65,000 hrs

ELECTRICAL INTERFACE		OPERATION & DETAILS	
Connector	RJ45	Operating Temperature	0 ~ 50°C
Data Rate	10Mbps, 100Mbps, 1000Mbps	Operating Humidity	10 ~ 90% non-condensing
Duplex mode	Full duplex	Storage Temperature	-10 ~ 70°C
Cable	100Base-TX Cat .5, 5e or higher 1000Base-T Cat.5, 5e or higher	Dimensions	90 x 60 x 20mm (SFP transceiver and AC adapter not included)
		Weight	Adapter : 90g Converter : 120g