

# Cleerline Media Converter

10GBase-T to 10GBase-X SFP+ slot Media Converter



The SSF-SFP-RJ45-10G is a multispeed 10G Ethernet 10G Base-T to 10G Base-X SFP+ slot non-managed stand-alone media converter, equipped with DIP switches for configuration options. The SFP+ slot allows both 1G or 10G 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 switches allow set-up in either fixed 10G mode, fixed 1G mode, or 10/100/1G/10G auto negotiation on a copper port.

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



## FEATURES AND BENEFITS

- 100M/1G/10G Base-T to 1G/10G Base-X SFP+ slot Converter
- Data transparent: port speed set up via DIP sw
- Supports any type of SFP+: MM, SM, CWDM, DWDM or BiDi types
- DIP settings for fiber speed and LFP functions
- Forward 9Kbytes Jumbo packets in transparent converter mode
- Supports SFP+ hot swap
- 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-RJ45-10G	10M/100M/1G/10GBase-T to 10GBase-X SFP+ Non-managed Fiber Media Converter with AC adapter included

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## SPECIFICATIONS

OPTICAL INTERFACE		STANDARDS AND POWER	
Connector	SFP+ slot	Standards	IEEE 802.3an (10GBase-T) 802.3ae(10GBase-SR, LR, ER or ZR)
Data Rate	1G/10GE DIP sw configurable	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 50/125µm, 62.5/125µm SM 9/125µm	Power Consumption	<4W
Distance	Depending on SFP used	Certification	CE, FCC
Wavelength	Depending on SFP used MM 1310nm, SM 1310, 1550nm WDM 1270Tx/1330Rx (Type A) WDM 1330Tx/1270Rx (Type B)	MTBF	65,000 hrs

ELECTRICAL INTERFACE		OPERATION & DETAILS	
Connector	RJ45	Operating Temperature	0 ~ 50°C
Data Rate	10M/100M/1G/10G DIP configurable	Operating Humidity	10 ~ 90% non-condensing
Duplex mode	Full duplex	Storage Temperature	-10 ~ 70°C
Cable	10G Base-T Cat6, Cat6a or Cat7 55m for Cat6 100m for Cat6a & Cat7	Dimensions	90 x 60 x 20mm (SFP transceiver and AC adapter not included)
		Weight	Adapter : 90g Converter : 120g