

# 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

## APPLICATION EXAMPLE



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

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## 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<br>Power Input : AC 100 ~ 240V, 50-60Hz<br>Power Plug: US 2 blade, type A Connector |
| Fiber             | MM 50/125µm, 62.5/125µm<br>SM 9/125µm   | Power Consumption   | <4W  |
| Distance          | Depending on SFP used   | Certification       | CE, FCC  |
| Wavelength        | Depending on SFP used<br>MM 1310nm, SM 1310, 1550nm<br>WDM 1310TX/1550Rx (Type A)<br>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<br>1000Base-T Cat.5, 5e or higher | Dimensions            | 90 x 60 x 20mm (SFP transceiver and AC adapter not included) |
|                      |   | Weight                | Adapter : 90g<br>Converter : 120g                            |