

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, ALS and FX Reset.

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-1RUME-12AC chassis (12 slots on 1RU space)

APPLICATION EXAMPLE



| PART NUMBER     | DESCRIPTION                                                |
|-----------------|------------------------------------------------------------|
| SSF-SFP-RJ45-1G | 1 x SFP to 1 x RJ45 Gb Ethernet Fiber Optic Media Extender |

## SPECIFICATIONS

| OPTICAL INTERFACE |                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------|
| Connector         | SFP slot                                                                                                                 |
| Data Rate         | 1.25G (GE) or 155M (FE)                                                                                                  |
| Duplex Mode       | Full duplex                                                                                                              |
| Fiber             | MM 50/125 $\mu$ m, 62.5/125 $\mu$ m or SM 9/125 $\mu$ m                                                                  |
| Distance          | Depending on SFP used                                                                                                    |
| Wavelength        | Depending on SFP used<br>MM 850nm, 1300nm, SM 1310nm, 1550nm<br>WDM 1310TX/1550Rx (Type A)<br>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         | Adapter Type: DC 5V/1A<br>Power Input : AC 100 ~ 240V, 50-60Hz<br>Power Plug: US 2 blade, type A Connector |
| Power Consumption   | <4W                                                                                                        |
| 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<br>1000Base-T Cat.5, 5e or higher |

| OPERATION & DETAILS   |                                                              |
|-----------------------|--------------------------------------------------------------|
| Operating Temperature | 0 ~ 50°C                                                     |
| Operating Humidity    | 10 ~ 90% non-condensing                                      |
| Storage Temperature   | -10 ~ 70°C                                                   |
| Dimensions            | 90 x 60 x 20mm (SFP transceiver and AC adapter not included) |
| Weight                | Adapter : 90g<br>Converter : 120g                            |