

STGFFxxxx-100

Stand-alone 10Gigabit Ethernet Media Converter

10GBase-X to 10GBase-X



STGFF4848-100

Features

- Supports 10 Gigabit Ethernet Fiber to Fiber full duplex conversion
- LED Link Status Indicators
- Link Pass Through
- Full-Duplex
- Automatic Link Restoration
- Loopback
- Supports +5V, +3.3V, and +1.8V MSA compliant XFP modules
- Supports 3R (Reamplify, Reshape, and Retime) optical signal regeneration
- Supports 10GBase-CX4 modules in the STGFF4747-100

The Transition Networks 10 Gigabit Ethernet fiber to fiber converter is a two-port 10G pluggable media converter, supporting a variety of XFP and SFP+ modules allowing network designers to utilize the module to meet their network requirements.

The media converter can use either Transition Networks or third party MSA compatible 10G XFP or SFP+ modules including support for the following standards; 10GBase-SR, 10GBase-LR, 10GBase-ER, 10GBase-LRM, and 10GBase-ZR.

This converter provides 3R (Reamplify, Reshape, and Retime) optical signal regeneration.

Specifications

Standards	IEEE 802.3ae IEEE 802.3ak IEEE 802.3ag IEEE 802.3 IEEE 802.3x Multisource Agreement (MSA) XFP and SFP+
Data Rate	10 Gbps
Status LED	PWR (power): GREEN- power on 1LNK- fiber #1 link: GREEN- On link 1ACT- fiber #1 activity/fault: GREEN- BLINK activity, YELLOW- Fault 2LNK- fiber #2 link: GREEN- On link 2ACT- fiber #2 activity/fault: GREEN- BLINK activity, YELLOW- Fault
DIP Switches	SW1- Port 1 mode UP: Limiting (xR); DOWN: Linear (LRM) SW2- Port 2 mode UP: Limiting (xR); DOWN: Linear (LRM) SW3- LPT UP: Enabled; DOWN: Disabled SW4-Interface loopback, forces each fiber to loop its RX to TX
Dimensions	Width: 1.72" [44 mm] Depth: 5.0" [127 mm] Height: 3.4" [86 mm]
Power	Consumption : 7 Watts Supply: 12 VDC barrel
Environment	Operating: 0°C to 50°C NOTE: dependant on ratings of the XFP and SFP+ modules used
Weight	1 lb. [0.45 kg]
Compliance	FCC Class A, EN55024 (CISPR22) Class A; CEMark; EN55022 Class A
Warranty	Lifetime



Ordering Information

STGFF4747-100

(2) Port 10GBase-xx open XFP to Open XFP

STGFF4848-100

(2) Port 10GBase-xx open SFP+ to Open SFP+

Optional Accessories (sold separately)

Mounting Options

WMBD

DIN Rail Bracket 5.0" [127 mm]

WMBD-F

DIN Rail Bracket (flat) 3.3" [84 mm]

WMBL

Wall Mount Bracket 4.0" [102 mm]

WMBV

Vertical Wall Mount Bracket 5.0" [127 mm]

Wide Input (24 - 60 VDC) Power Supplies

SPS-2460-SA

Stand-Alone Power Supply

**POWER
SUPPLY
INCLUDED**