

SGETF Series

Stand-alone Gigabit Ethernet Media Converter

1000Base-T to 1000Base-SX/LX



SGETF1013-110

Features

- Auto-MDI/MDIX
- Copper & Fiber Auto-Negotiation
- Transparent Link Pass Through
- Automatic Link Restoration
- Pause
- Remote Fault Detect

The SGETF Series is a stand-alone media converter that provides an interface between 1000Base-T ports and 1000Base-SX/LX ports, allowing users to integrate fiber optic cabling into 1000Base-T copper environments. Operating at Layer 1, the physical layer, data is passed through the converter at line speed, making it ideal for applications where low latency is essential.

Specifications

| | |
|-------------------|---|
| Standards | IEEE 802.3ab IEEE 802.3z |
| 6-position Switch | SW1: Remote Fiber Fault Detect (Down=Enabled) SW2: Symmetric Pause SW3: Asymmetric Pause SW4: Transparent Link Pass Through (UP=Enabled) SW5: Fiber Auto-Negotiation (Down=Enabled) SW6: Loopback (Down=Enabled) |
| Status LEDs | PWR (Power): Steady green LED indicates connection to external AC power RXF (Fiber receive): Flashing LED indicates reception of data on fiber link LKF (Fiber link): Steady LED indicates fiber link connection RXC (Copper receive): Flashing LED indicates reception of data on copper link LKC (Copper link): Steady LED indicates copper link connection |
| Dimensions | Width: 3.25" [82.55 mm] Depth: 4.8" [121.92 mm] Height: 1" [25 mm] |
| Power Supply | External AC/DC required; 12 VDC, 0.8A min Output; 120-240VAC input |
| Environment | Operating: 0°C to 50°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft. |
| Weight | 2 lbs. [0.90 kg] |
| Compliance | Safety: Wall Mount Power Supply: UL Listed, cUL Listed (Canada); FCC Class A, CISPR22/EN55022 Class A, EN55024, EN61000, CE Mark |
| Warranty | Lifetime |

Power Supply Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU; Ex: SGETF1013-110-NA

-NA = Country Code

- NA = North America
- LA = Latin America
- EU = Europe
- UK = United Kingdom
- SA = South Africa
- JP = Japan
- OZ = Australia
- BR = Brazil

Ordering Information

SGETF1013-110

1000Base-T (RJ-45) [100 m/328 ft.]
to 1000Base-SX 850nm multimode (SC)
[62.5/125 µm fiber: 220 m/722 ft.]
Link Budget: 7.0 dB
[50/125 µm fiber: 550 m/1804 ft.]
Link Budget: 7.0 dB

SGETF1024-110

1000Base-T (RJ-45) [100 m/328 ft.]
to 1000Base-SX 1300nm Extended multimode
(62.5/125 µm fiber only) (SC) [2 km/1.2 mi.]
Link Budget: 7.0 dB

SGETF1039-110

1000Base-T (RJ-45) [100 m/328 ft.]
to 1000Base-SX 850nm multimode (LC)
(via TN-SFP-SX) [62.5/125 µm fiber: 220
m/722 ft.] Link Budget: 8.0 dB [50/125 µm
fiber: 550 m/1804 ft.] Link Budget: 8.0 dB

SGETF1014-110

1000Base-T (RJ-45) [100 m/328 ft.]
to 1000Base-LX 1310nm single mode (SC) [10
km/6.2 mi.] Link Budget: 10.5 dB

SGETF1040-110

1000Base-T (RJ-45) [100 m/328 ft.]
to SFP slot (empty)

Single Fiber Products

SGETF1029-110

1000Base-T (RJ-45) [100 m/328 ft.]
to 1000Base-LX 1310nm TX/1550nm RX
single fiber single mode (SC) [20 km/12.4 mi.]
Link Budget: 13.0 dB

SGETF1029-111

1000Base-T (RJ-45) [100 m/328 ft.]
to 1000Base-LX 1550nm TX/1310nm RX
single fiber single mode (SC) [20 km/12.4 mi.]
Link Budget: 13.0 dB

Optional Accessories (sold separately)

SFP Modules

Wide Input (24 - 60 VDC) Power Supplies

SPS-2460-PS

Piggy Back Power Supply

SPS-2460-SA

Stand-Alone Power Supply

Mounting Options

E-MCR-05

12-Slot Media Converter Rack

RMS19-SA4-02

4-Slot Media Converter Shelf

WMBD

DIN Rail Bracket 5" [127 mm]

WMBD-F

DIN Rail Bracket (flat, small) 3.1" [79 mm]

WMBL

Wall Mount Bracket 4" [102 mm]

WMBV

Vertical Wall Mount Bracket 5" [127 mm]