

stand-alone media converter

SGETF10xx-110

Gigabit Ethernet Media Converter



Migrate to Gigabit Ethernet in a cost-effective manner. Used in conjunction with lower cost 1000BASE-T switches, companies can take advantage of the high bandwidth Gigabit Ethernet offers without all of the higher costs. Transition Networks 1000BASE-T to SX/LX converters allow users to extend the bandwidth to those users outside the reach of the 1000BASE-T standard (up to 125 km).

Features

- ▶ AutoCross™ [
- ▶ Copper & Fiber Auto-Negotiation
- ▶ Transparent Link Pass Through
- ▶ Automatic Link Restoration
- ▶ Pause
- ▶ Remote Fault Detect

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-SA4-01

4-Slot Media Converter Shelf

WMBD

DIN Rail Bracket 5.0" [127 mm]

WMBD-F

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

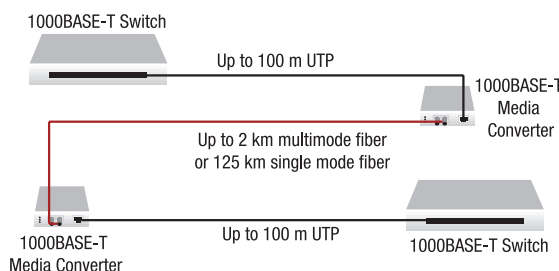
WMBL

Wall Mount Bracket 4.0" [102 mm]

WMBV

Vertical Wall Mount Bracket 5.0" [127 mm]

Migrate to Gigabit Ethernet



Specifications

Standards	IEEE Std. 802.3ab and IEEE Std. 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 mm] Depth: 4.8" [122 mm] Height: 1.0" [25 mm]
Power	External AC/DC required; 12 VDC, 0.8A min
Environment	0 – 50°C operating; 5% – 95% humidity non-condensing; 0 – 10,000 ft. altitude
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	Wall Mount Power Supply: UL Listed, C-UL Listed (Canada)
Regulatory Compliance	FCC Class A, CISPR22/EN55022 Class A, EN55024, EN61000, CE Mark
Warranty	Lifetime

Ordering Information

SGETF1013-110

1000BASE-T (RJ-45) [100 m/328 ft.]
 to 1000BASE-SX 850nm MM (SC)
 [62.5/125 μ m fiber: 220 m/722 ft.]
Link Budget: 7.0 dB
 [50/125 μ m 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 MM
 (62.5/125 μ m 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 MM (LC)
 (via TN-SFP-SX)
 [62.5/125 μ m fiber: 220 m/722 ft.]
Link Budget: 8.0 dB
 [50/125 μ m fiber: 550 m/1804 ft.]
Link Budget: 8.0 dB

SGETF1014-110

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

SGETF1015-110

1000BASE-T (RJ-45) [100 m/328 ft.]
 to 1000BASE-LX 1310nm SM (SC)
 [25 km/15.5 mi.] **Link Budget: 15.0 dB**

SGETF1017-110

1000BASE-T (RJ-45) [100 m/328 ft.]
 to 1000BASE-LX 1550nm SM (SC)
 [65 km/40.4 mi.] **Link Budget: 21.0 dB**

SGETF1035-110

1000BASE-T (RJ-45) [100 m/328 ft.]
 to 1000BASE-LX 1550nm SM (SC)
 [125 km/77.7 mi.] **Link Budget: 27.0 dB**

SGETF1040-110

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

Single Fiber Products

Recommended use in pairs

SGETF1029-110

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

SGETF1029-112

1000BASE-T (RJ-45) [100 m/328 ft.]
 to 1000BASE-LX 1310nm TX/1550nm RX
 single fiber SM (SC)
 [40 km/24.9 mi.] **Link Budget: 20.0 dB**

SGETF1029-113

1000BASE-T (RJ-45) [100 m/328 ft.]
 to 1000BASE-LX 1550nm TX/1310nm RX
 single fiber SM (SC)
 [40 km/24.9 mi.] **Link Budget: 20.0 dB**

SGETF1029-116

1000BASE-T (RJ-45) [100 m/328 ft.]
 to 1000BASE-LX 1510nm TX/1590nm RX
 single fiber SM (SC)
 [80 km/49.6 mi.] **Link Budget: 24.0 dB**

SGETF1029-117

1000BASE-T (RJ-45) [100 m/328 ft.]
 to 1000BASE-LX 1590nm TX/1510nm RX
 single fiber SM (SC)
 [80 km/49.6 mi.] **Link Budget: 24.0 dB**