TRANSITION NETWORKS®

Media Converters

Stand-alone Fiber to Fiber Media Converter

1000Base-SX or 1000Base Fiber Channel

The SFMFF1314-220 stand-alone, when used individually or in pairs, functions as a mode converter that extends Gigabit Ethernet or Fiber Channel signals over single mode fiber up to 125 kilometers. The SFMFF1314-220 also converts 1000Base-SX ports on a Gigabit Ethernet switch to 1000Base-LX on a port-by-port basis.

Ordering Information

SFMFF1314-220
  1000Base-SX 850nm multimode (SC)
  [62.5/125 µm fiber: 220 m/722 ft.]
  [50/125 µm fiber: 550 m/1804 ft.]
  Link Budget: 7.0 dB
  to 1000Base-LX 1310nm single mode (SC)
  [10 km/6.2 mi.] Link Budget: 7.0 dB

Optional Accessories (sold separately)

Wide Input (24 - 60 VDC) Power Supplies (sold separately)

SPS-2460-PS
  Piggy Back Power Supply

SPS-2460-SA
  Stand-Alone Power Supply

Mounting Options (sold separately)

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) 3.3" [84 mm]

WMBL
  Wall Mount Bracket 4" [102 mm]

WMBV
  Vertical Wall Mount Bracket 5" [127 mm]

Features

- Auto-Negotiation (1000Base-X ports)
- Link Pass Through
- Pause
- Automatic Link Restoration
- Protocol Transparency

Specifications

Standards	IEEE 802.3 ATM, OC-3 STM-1 HSTR FDDI
Fiber Optic Connectors	Multimode: Min TX PWR: -10.0 dBm Max TX PWR: -4.0 dBm RX Sensitivity: -17.0 dBm Max In PWR: 0.0 dBm Link Budget: 7.00 dB Single Mode: Min TX PWR: -13.0 dBm Max TX PWR: -3.0 dBm RX Sensitivity: -20.0 dBm Max In PWR: -3.0 dBm Link Budget: 7.00 dB
Status LEDs	Power: Lit for normal operation Port LKS (Single Mode fiber link): Steady LED indicates single mode fiber link Port LKM (Multimode fiber link): Steady LED indicates multimode fiber link
Dimensions	Width: 3.25" [82.55 mm] Depth: 4.7" [119.38 mm] Height: 1" [25 mm]
Power Supply	External AC/DC required 12VDC, 0.5 A; unregulated; standard; Output 12VDC, 1.0 A, 12 watts; 120-240VAC input
Environment	Operating: 0°C to 50°C Humidity: 5% to 90% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	2 lbs. [0.90 kg]
MTBF	41,666 hours (MIL217F2 V5.0) (MIL-HKBK-217F) 114.580 hours (Bellcore7 V5.0)
Certifications	Safety: Wall Mount Power Supply: UL listed and CSA certified Regulatory: FCC Class A & B, CISPR/EN55022 Class A & B, 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: SFMFF1314-220-NA

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