



see also: 10/100 Bridging Point System™ Slide-In-Module Media Converters

stand-alone media converter

SBFTF10xx-10x

10/100 Bridging Media Converter



Features

- ▶ Auto-Negotiation
- ▶ AutoCross™ [
- ▶ Link Pass Through
- ▶ Far-End-Fault (FEF) Detection
- ▶ Automatic Link Restoration

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) 3.3" [84 mm]

WMBL
Wall Mount Bracket 4.0" [102 mm]

WMBV
Vertical Wall Mount Bracket 5.0" [127 mm]

- ▶ Extend network distance up to 120 km
- ▶ Bridging media converters will provide conversion and integration solutions for half and full-duplex environments.
- ▶ 10 Mbps or 100 Mbps on all TP ports
- ▶ Half or full-duplex on all ports including fiber

Specifications

Standards	IEEE Std. 802.3
Data Rate	10 Mbps; 100 Mbps
Filtering Addresses	1K MAC addresses
Filtering & Forwarding Rate	14,880 pps for Ethernet; 148,800 pps for Fast Ethernet
RAM Buffers	512 KB
Max Packet Size	2044 bytes untagged 2048 bytes tagged
Switches	SW1(TP): Auto-Negotiation On/Off SW2 (TP): Half or Full-duplex with Auto-Negotiation Off SW3 (TP): 10 Mbps or 100 Mbps with Auto-Negotiation Off SW4 (Fiber): Half or Full-duplex SW5: Link Pass Through On/Off SW6: Far-End-Fault On/Off
Status LEDs	PWR (Power): ON = connection to external power FD (Fiber Duplex): ON = Full-duplex; OFF = Half-duplex LNK/ACT (Fiber Link/Activity): ON = Link; Blinking = Activity CD (Copper Duplex): ON = Full-duplex; OFF = Half-duplex LNK/ACT (Copper Link/Activity): ON = Link; Blinking = Activity 100 (Copper): OFF = 10 Mbps; ON = 100 Mbps
Dimensions	Width: 3.25" [82 mm] Depth: 4.8" [122 mm] Height: 1.0" [25 mm]
Power	External AC/DC; 12 VDC, 0.8A min
Environment	0 – 50°C; 5% – 90% humidity non-condensing; 0 – 10,000 ft. altitude
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	Wall Mount Power Supply: UL Listed
Regulatory Compliance	FCC Class A, VCCI Class 1, CISPR22/EN55022 Class A, EN55024, EN61000, CE Mark
Warranty	Lifetime

10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1310nm TX/1550nm RX
single fiber SM (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

SBFTF1029-108
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1550nm TX/1310nm RX
single fiber SM (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

Ordering Information

SBFTF1011-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1300nm MM (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SBFTF1013-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1300nm MM (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SBFTF1039-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1300nm MM (LC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SBFTF1014-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1310nm SM (SC)
[20 k m/12.4 mi.] Link Budget: 16.0 dB

SBFTF1019-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1310nm SM (LC)
[20 km/12.4 mi.] Link Budget: 17.3 dB

SBFTF1015-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1310nm SM (SC)
[40 km/24.9 mi.] Link Budget: 29.0 dB

SBFTF1016-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1310nm SM (SC)
[60 km/37.3 mi.] Link Budget: 32.0 dB

SBFTF1017-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1550nm SM (SC)
[80k m/49.7 mi.] Link Budget: 29.0 dB

SBFTF1035-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1550nm SM (SC)
[120 km/74.6 mi.] Link Budget: 33.0 dB

SBFTF1040-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to Open SFP Slot

Single Fiber Products

Recommended use in pairs

SBFTF1029-105
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1310nm TX/1550nm RX
single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SBFTF1029-106
10/100BASE-TX (RJ-45)
[100 m/328 ft.]
to 100BASE-FX 1550nm TX/1310nm RX
single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

SBFTF1029-107