

SBFTF10xx-10x

10/100 Bridging Media Converter



Features

- Auto-Negotiation
- AutoCross™
- Link Pass Through
- Far-End-Fault (FEF) Detection
- Automatic Link Restoration
- 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. 802.3u
Data Rate	10 Mbps; 100 Mbps
Filtering Addresses	1K MAC addresses
Filtering & Forwarding	14,880 pps for Ethernet; Rate 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



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

SBFTF1040-105

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

Single Fiber Products

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

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]