

stand-alone media converter

# SBFTF10xx-10x

## 10/100 Bridging Media Converter

Stand-Alone

10/100 Bridging 10/100BASE-TX to 100BASE-FX



### 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	<b>SW1(TP):</b> Auto-NegotiationOn/Off <b>SW2 (TP):</b> Half or Full-duplex with Auto-Negotiation Off <b>SW3 (TP):</b> 10 Mbps or 100 Mbps with Auto-Negotiation Off <b>SW4 (Fiber):</b> Half or Full-duplex <b>SW5:</b> Link Pass Through On/Off <b>SW6:</b> Far-End-Fault On/Off
Status LEDs	<b>PWR (Power):</b> ON = connection to external power <b>FD (Fiber Duplex):</b> ON = Full-duplex; OFF = Half-duplex <b>LNK/ACT (Fiber Link/Activity):</b> ON = Link; Blinking = Activity <b>CD (Copper Duplex):</b> ON = Full-duplex; OFF = Half-duplex <b>LNK/ACT (Copper Link/Activity):</b> ON = Link; Blinking = Activity <b>100 (Copper):</b> OFF = 10 Mbps; ON = 100 Mbps
Dimensions	<b>Width:</b> 3.25" [82 mm] <b>Depth:</b> 4.8" [122 mm] <b>Height:</b> 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	<b>Wall Mount Power Supply:</b> 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
- 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**

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