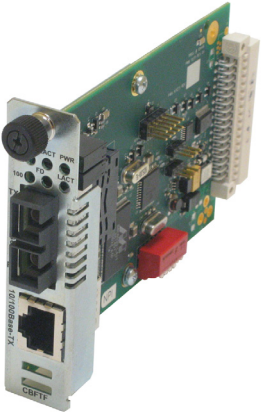




point system™ slide-in-module media converter

# CBFTF10xx-10x

## 10/100 Bridging Media Converter



### Features

- ▶ Fully manageable
- ▶ LED indications for all operation modes
- ▶ Auto-Negotiation
- ▶ AutoCross™ [
- ▶ Link Pass Through
- ▶ Far-End-Fault (FEF)
- ▶ Automatic Link Restoration
- ▶ Field Upgradeable Firmware
- ▶ Can be used with any Point System™ Chassis

### Read Management Features

- ▶ Media Converter Power
- ▶ Copper & Fiber Link Status
- ▶ Copper Port Speed
- ▶ Hardware Switch Settings

### Write Management Features

- ▶ Enable/disable Auto-negotiation on Copper
- ▶ Force 10 Mbps or 100 Mbps on Copper
- ▶ Force Full or Half-duplex on Copper or Fiber
- ▶ Select Advertised Modes (when Auto-Negotiation is Enabled)
- ▶ Enable/disable:
  - Pause
  - Monitor Port (advanced filters available)
  - Link Pass Through
  - Far-End-Fault

- ▶ Extend network distance up to 120 km
- ▶ Bridging media converters will provide conversion and integration solutions for half and full-duplex environments.
- ▶ Convert 10/100 on copper to straight 100 on fiber
- ▶ Half or Full-Duplex on both ports

### 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	2048 bytes untagged 2044 tagged
Switches	<b>SW1 (TP):</b> Auto-Negotiation On/Off <b>SW2 (TP):</b> 10 Mbps or 100 Mbps <b>SW3 (TP):</b> Half or Full-duplex <b>SW4 (Fiber):</b> Half or Full-duplex <b>SW5:</b> Far-End-Fault On/Off <b>SW6:</b> Link Pass Through On/Off
Status LEDs	<b>PWR</b> (Power) <b>FDPX</b> (Fiber Duplex) <b>FLNK</b> (Fiber Link/Activity) <b>TSPD</b> (Copper Speed) <b>TDPX</b> (Copper Duplex) <b>TLNK</b> (Copper Link/Activity)
Dimensions	<b>Width:</b> 0.86" [22 mm] <b>Depth:</b> 5.0" [127 mm] <b>Height:</b> 3.4" [86 mm]
Power Consumption	4.0 Watts
Environment	See chassis specifications
Shipping Weight	1 lb. [0.45 kg]
Regulatory Compliance	FCC Class A, CISPR22/EN55022 Class A, EN55024, EN61000, CE Mark
Warranty	Lifetime

### Single Fiber Products

Recommended use in pairs

**CBFTF1029-105**  
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

**CBFTF1029-106**  
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

### Ordering Info [Class B]

**CBFTF1011-105**  
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

**CBFTF1013-105**  
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

**CBFTF1039-105**  
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

**CBFTF1014-105**  
10/100BASE-TX (RJ-45)  
[100 m/328 ft.]  
to 100BASE-FX 1310nm SM (SC)  
[20 km/12.4 mi.] Link Budget: 16.0 dB

**CBFTF1019-105**  
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

**CBFTF1015-105**  
10/100BASE-TX (RJ-45)  
[100 m/328 ft.]  
to 100BASE-FX 1310nm SM (SC)  
[40 km/24.9 mi.] Link Budget: 26.0 dB

**CBFTF1016-105**  
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

**CBFTF1017-105**  
10/100BASE-TX (RJ-45)  
[100 m/328 ft.]  
to 100BASE-FX 1550nm SM (SC)  
[80 km/49.7 mi.] Link Budget: 29.0 dB

**CBFTF1035-105**  
10/100BASE-TX (RJ-45)  
[100 m/328 ft.]  
to 100BASE-FX 1550nm SM (SC)  
[120 km/74.6 mi.] Link Budget: 36.0 dB

**CBFTF1040-105**  
10/100BASE-TX (RJ-45)  
[100 m/328 ft.]  
to 100BASE-X SFP Slot (empty)

**CBFTF1029-107**  
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

**CBFTF1029-108**  
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