

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	SW1 (TP): Auto-Negotiation On/Off SW2 (TP): 10 Mbps or 100 Mbps SW3 (TP): Half or Full-duplex SW4 (Fiber): Half or Full-duplex SW5: Far-End-Fault On/Off SW6: Link Pass Through On/Off
Status LEDs	PWR (Power) FDPX (Fiber Duplex) FLNK (Fiber Link/Activity) TSPD (Copper Speed) TDPX (Copper Duplex) TLNK (Copper Link/Activity)
Dimensions	Width: 0.86" [22 mm] Depth: 5.0" [127 mm] Height: 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

see also: 10/100 Bridging Stand-Alone Media Converters

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)

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

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