

stand-alone media converter

J/FE-CF-04(xx)

Fast Ethernet Media Converter

Fast Ethernet

Stand-Alone

Extend Network Distance In Full-Duplex Networks

Used in pairs, this media converter can extend distances between two twisted pair switches or a switch and a server up to 2 km over multimode fiber or up to 40 km over single mode fiber.

Connect Remote Devices

Using a single 100BASE-TX to FX media converter, a switch with a copper port can be connected to a switch or any other 100BASE compliant device with an existing fiber interface.

Dual Power Options

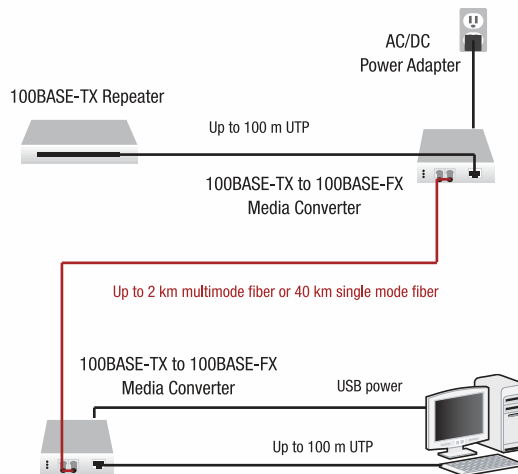
This media converter can be powered through the supplied AC/DC power adapter or through the USB 2.0 port. Additionally, both power sources can be used simultaneously, providing the security of redundant power.

Features

- ▶ Auto-Negotiation
- ▶ AutoCross™ [
- ▶ Automatic Link Restoration
- ▶ Interoperable with other 100BASE-TX/FX NICs, hubs or switches
- ▶ Provides LEDs for easy network monitoring
- ▶ Rack-mountable in the E-MCR-05
- ▶ USB Power Option, requires standard USB cable, not provided



Extend Network Distance



Specifications

Standards	IEEE Std. 802.3u, 100BASE-TX and 100BASE-FX
Switches	SW1: Auto-Negotiation On/Off SW2: Full/Half Duplex Advertisement
Status LEDs	PWR(Power) Copper: Link & Receive Fiber: Link
Dimensions	Width: 3.0" [76 mm] Depth: 3.93" [100 mm] Height: 0.98" [25 mm]
Power Sources	External AC/DC: +12 VDC, 0.5A USB 2.0 port: +5 VDC, 0.5A
Environment	0 – 50°C; 5% – 95% humidity non-condensing; 0 – 10,000 ft. altitude
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	Wall Mount Power Supply: UL Listed and CSA certified
Regulatory Compliance	CISPR/EN55022 Class A + EN55204; FCC Class A; CE Mark
Warranty	Lifetime

Ordering Information

- J/FE-CF-04**
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB
- J/FE-CF-04(SC)**
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
- J/FE-CF-04(LC)**
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1300nm multimode (LC)
[2 km/1.2 mi.] Link Budget: 11.0 dB
- J/FE-CF-04(SM)**
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm SM (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
- J/FE-CF-04(SMLC)**
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm single mode (LC)
[20 km/12.4 mi.] Link Budget: 17.3 dB
- J/FE-CF-04(LH)**
100BASE-TX (RJ-45) [100 m/328 ft.]
to 100BASE-FX 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB
- Single Fiber Products**
Recommended use in pairs
- J/FE-CF-04(100)**
100BASE-TX (RJ-45) [100 m/328 ft.]
100BASE-FX 1310nm TX/1550nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- J/FE-CF-04(101)**
100BASE-TX (RJ-45) [100 m/328 ft.]
100BASE-FX 1550nm TX/1310nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

Optional Accessories (sold separately)

- Wide Input (24 - 60 VDC) Power Supplies**
- SPS-2460-SA**
Stand-Alone Power Supply
- Mounting Options**
- E-MCR-05**
12-Slot Media Converter Rack
- WMBD**
DIN Rail Bracket 5.0" [127 mm]
- WMBD-FS**
DIN Rail Bracket (flat, small) 3.1" [79 mm]
- WMBS**
Wall Mount Bracket 3.2" [81 mm]
- USB Cables**
- USBC-AM-BM-03**
USB 2.0 Cable A male to B male [3 ft. Gray]
- USBC-AM-BM-06**
USB 2.0 Cable A male to B male [6 ft. Gray]

Just Convert-IT™ 100BASE-TX to 100BASE-FX