

DualSpeed Converters

10/100Base-TX to 100Base-FX (MM and SM)

Unicom's VELOCITY™ Series represents the newest, most advanced generation of signal conversion technology.

This converter is designed to expand your network through a fiber optic connection extending a fiber link up to 60 km (Single mode in full duplex mode).

The 10/100TX to 100FX Converters offer the most popular fiber cabling connectors: SC and ST formats in Multi-mode and SC in Single Mode. The UTP port supports the Auto MDI/MDIX function and there are 4 DIP switches to set the operation mode for the UTP, Fiber ports and Link Loss Forwarding function. These converters can be used in Unicom's 10 bay media chassis or as stand-alone components.

Features

- Complies with IEEE 802.3, 802.3u, 802.3x standards
- Converts between UTP cabling and Fiber Optic cabling
- One RJ-45 connector, Auto-MDI/MDIX* for UTP port
- Supports 10/100 Mbps Auto-negotiation for UTP port
- Fiber cabling connectivity up to 60Km
- Uses store-and-forward switching to separate collision domains
- One fiber connector (SC/Single Mode, SC or ST/Multi-Mode) for 100Base-FX
- Prevents packet loss by supporting back-pressure & flow control
- Four DIP-switches for operation mode setup and Link-Loss Forwarding function
- Per port LEDs for diagnosis and maintenance
- External DC power adapter, 5V/2.5A
- Can be mounted in chassis or used as stand-alone
- FCC Class A, CE Mark certification

VELOCITY™ series



FEP-5300TF-C



FEP-5400TF-C

PART NUMBER	DESCRIPTION
FEP-5300TF-C	Multi-Mode, Dual SC (2Km)
FEP-5300TF-T	Multi-Mode, Dual ST (2Km)
FEP-5400TF-C	Single Mode, Dual SC (15Km)
FEP-5401TF-C	Single Mode, Dual SC (30Km)
FEP-5402TF-C	Single Mode, Dual SC (60Km)

Automatic MDI/MDIX Crossover

Most hubs and switches are designed with one uplink port to cascade other hubs or switches. The Micro-Router/4 supports new MDI/MDIX technology - each LAN port can be either a normal port or an uplink port offering an automatic crossover function to either 10Base-T or 100Base-TX allowing you to use either a pin-to-pin or crossover cable with no problems.



LANshack.com

Toll Free: 888-568-1230

E-mail: sales@lanshack.com

Web: www.lanshack.com

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Converter Features

Standard Compliance:	IEEE 802.3u 10Base-T/100Base TX / 100Base-FX Fast Ethernet Standards
Interface:	(1) 100Base-TX Shielded RJ-45 Jack (1) 100Base-FX Dual SC or ST connector
Wavelength:	1310nm.
Link Distance:	100 m Max., Category 5e/6 UTP/ScTP 2 km Max., FEP-5300TF-T or FEP-5300TF-C 15 km Max., FEP-5400TF-C 30 km Max., FEP-5401TF-C 60 km Max., FEP-5402TF-C
DIP Switch:	ON/OFF for UTP Auto Negotiation, Fiber Duplexing, and Loss Link Forwarding
LED Indicators:	Power, Link/Activity, Receive/Full-Duplex, 100
Power Supply:	External power adapter 5V DC / 2.5A
Operating Temperature:	0°C to 55°C
Operating Humidity:	10% - 80% RH
EMI:	FCC Class A, CE Mark
Enclosure:	Metal
Dimensions:	4.72"(L) x 3.36"(W) x .96"(H) 118mm x 84mm x 24mm
Warranty:	Limited Lifetime

ACCESSORIES

VELOCITY™ MEDIA-CHASSIS/10 10 Bay Media Converter Chassis



UNICOM's Velocity™ Media-Chassis/10 accommodates up to 10 Gigabit and Fast Ethernet converter modules in a single unit. The power supply system is integrated and provides power protection into each bay's supply. The Media-Chassis/10 also offers extra protection by isolating each bay from the power bus. The 10 bay chassis includes two 19" rack mounting brackets, one fan and 1 power supply. 110/220V, 19" Rackmount

The Media-Chassis/10 is compatible with Velocity Series converters only.

PART NUMBER	DESCRIPTION
FEP-593110	10 Bay Media Converter Chassis



Loss Link Forwarding Configuration Example

