Tri-Speed Gigabit Converters
10/100/1000Base-T to 1000Base-SX/LX

A Network Systems Solution
UNICOM™

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

These converters transform your 10/100/1000Base-T copper network to 1000Base-LX/SX fiber optic and expands the fiber link up to 10 km (Single Mode in Full Duplex mode).

The 10/100/1000T/1000LX/SX Converters offer the most popular fiber cabling connector: SC format in Multi-mode and Single Mode. The UTP port supports the Auto MDI/MDIX function and there are five LEDs for diagnosis and maintenance. These converters can be used in Unicom's 10 bay media chassis or as stand-alone components.

Features

- Conforms to IEEE 802.3 10/100/1000Base-T and IEEE 802.3 1000Base-SX/LX Gigabit Ethernet standards
- Converts between UTP cabling and Fiber Optic cabling.
- Fiber cabling connectivity up to 10Km.
- One RJ-45 connector, Auto-MDI/MDIX for UTP port.
- Auto full- or Half-duplex operation mode for UTP Port
- Uses store-and-forward switching to separate collision domains
- Prevents packet loss by supporting back-pressure & flow control
- Three DIP-switches for operation mode setup and Link-Loss Forwarding function (GEP-5300TF-C only)
- Per port LEDs for diagnosis and maintenance
- External DC power adapter, 9V DC/700mA
- Can be mounted in chassis or used as stand-alone
- FCC Class A, CE Mark certification

VELOCITY™ series

Automatic MDI/MDIX Crossover

GEP-5300TF-C

GEP-5400TF-C

PART NUMBER	DESCRIPTION
GEP-5300TF-C	Multi-Mode, Dual SC (220/500m)
GEP-5400TF-C	Single Mode, Dual SC (10km)

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.

NEW Lifetime Warranty
Commitment to Quality

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Specifications subject to change without notice.

VELOCITY™ series

Converter Features

Standard Compliance:	IEEE 802.3 10/100/1000Base-T Gigabit Ethernet IEEE 802.3 1000Base-SX/LX Gigabit Ethernet
Interface:	(1) 10/100/1000Base-T, Shielded RJ-45 Jack (1) 1000Base-SX/LX, Dual SC connector
Wavelength:	1310nm.
Link Distance:	10/100/1000Base-T Cat. 5e or 6: up to 100m.
	1000Base-SX: Multi-mode fiber 50/125µm (500m) 62.5/125µm (220m)
	1000Base-LX: Single Mode fiber 9/125µm (10Km)
LED Indicators:	Device: Power UTP: 1000Mbps, Full-Duplex/collision, Link/Activity Fiber: Link
DIP Switch:	ON/OFF for UTP Auto Negotiation, Fiber Duplexing, and Loss Link Forwarding *(GEP-5300TF-C only)*
Power Supply:	External power adapter 9V DC/700mA (min.)
Operating Temperature:	0˚C to 45˚C
Operating Humidity:	10% - 90% 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*

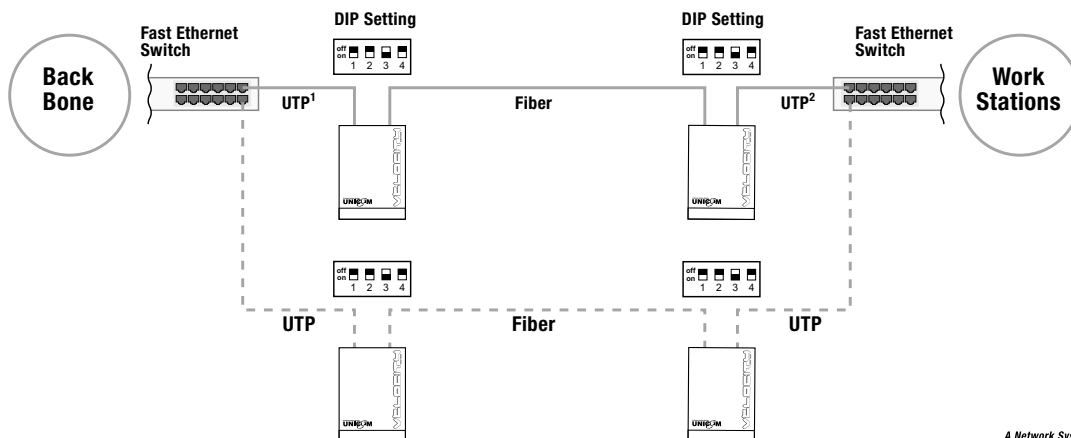The Media-Chassis/10 is compatible with Velocity Series converters only.

PART NUMBER	DESCRIPTION
FEP-593110	10 Bay Media Converter Chassis

Loss Link Forwarding

Configuration Example (GEP-5300TF-C only)

Back Bone	Fast Ethernet Switch	DIP Setting	UTP[1]	Fiber	UTP[2]	DIP Setting	Fast Ethernet Switch	Work Stations

UTP   Fiber   UTP

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