UT-021XE Series

Enhanced 10/100Base - TX to 100Base - FX Media Converter

LINK®
American Standard

UT-0214E

UT-0216E

Product Introduction & Benefits

The UT-021XE Media Converter is a cost-effective, feature-packed solution for expanding or extending an existing Ethernet/ Fast Ethernet network.

The converter boasts enhanced with such features as remote loop back testing, auto-negotiation, and link fault signaling for total reliability, It also features seven DIP switches for manual activation of the enhanced features.

This gives the UT-021XE the ability to be quickly integrated into a network configuration.

The UT-021XE can support a variety of fiber optic cables and connectors that can extend distances (up to 100km) as well as offering flexibility in the migration to 100Base - FX networks! Several converters can be simultaneously installed by using the UT-3012 12-slot 19" rack-mount chassis converter chassis.

Ordering Information :

UT- 0214E : Enhanced 10/100Base-TX to 100Base-FX Multi-mode, Media Converter (ST Connector, 2km)

UT- 0216E : Enhanced 10/100Base-TX to100Base-FX Multi-mode, Media Converter (SC Connector, 2km)

UT- 0216E-SM30/60/120 : Enhanced 10/100Base-TX to 100Base-FX Single Mode, Media Converter
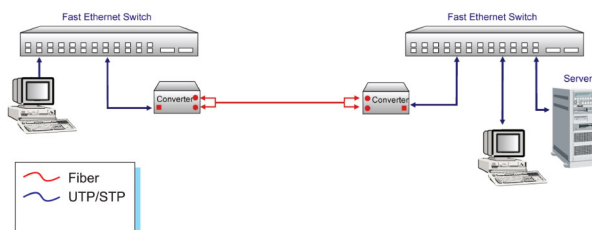(SC Connector, 30/60/120 km)

Main Features :

- Device DIP switches allow multiple configuration options
- Automatic MDI/MDI-X selection on RJ-45 port
- Auto-negotiation, NWay support on RJ-45
- Link Fault Signaling (LFS) Suitable for fedundantcy link
- Remote loop back test
- LEDs for at-a-glance device status
- Extends distances ranging from 2km (multi-mode fiber) to 100km (single mode fiber)
- Store-and-forward at full wire speed
- External power supply
- FCC Class A & CE approved.
- RoHS Compliant
- Included AC power adapter 220 VAC / 12 VDC, 1A

FCC Class A

CE Approval

Standards :

IEEE 802.3 (10BASE-T Ethernet);
IEEE 802.3u (100BASE-TX/FX Fast Ethernet)

Port :

UTP Connector : 1x RJ-45 type
Fiber Optic Connector : 1x SC or ST types (Only SC type for Single Mode)

Max Distance :

UTP : 100 meters (Category 5/5E or better)
Fiber Optic : 2km (Multimode)
30 - 120km (Singlemode)

Emissions :

FCC Part 15 of Class A & CE approved

Weight :

160 g

Dimensions :

109.2 x 73.8 x 23.4 mm (D x W x H)

Power Supply :

AC 100 ~ 240V 47/63Hz Input,
DC 12V 1A Output

Power Consumption :

2.8W

Temperature :

Operating : 0º C to 50º C
Storage : -25º C to 70º C

Humidity :

Operating : 10% to 80% RH
Storage : 5% to 90% RH

Unit LED :

100 : Green - Illuminated when data packets are being teansmitted at 100Mbps
LFS : Red - Illuminated when a break or disruption exists in copper or fiber links
LNK/ACT : Green - Illuminated indicates receiving link pulses from compliant device
- Flashing to indicate data packets being sent / received
FDX/COL : Amber - Flashing to indicate unit is in full-duplex mode
- Flashing to indicate collision
PWR : Green - Illuminated to indicate unit is operating under normal power

Switches :

DIP 1 - Enables / disables auto-negotiation
DIP 2 - Copper port (RJ45) duplex mode; full-duplex or half-duplex
DIP 3 - Copper port (RJ45) data bit rate; 10Mbps or 100Mbps
DIP 4 - Fiber port duplex mode; full-duplex or half-duplex
DIP 5 - Enables / disables link fault signaling (LFS)
DIP 6 - Enables / disables local loop back (LLBK)
DIP 7 - Enables / disables remote loop back (RLBK)

Applications :

The following illustrates typical applications for the UT-021XE series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.

CATALOG MEDIA CONVERTER