UT-1310 Series

10/100/1000Base-T to 1000Base-SX/LX (SFP) Converter

UT-1310

UT-1314

Product Introduction & Benefits

The UT-1310 media converter is specifically designed to offer fiber advantages for mission - critical networks like Telco/ISP backbones, cable operators, banking and enterprise networks.

The UT-1310 can reduce network downtime and increase Quality of Service levels. The converters are completely transparent when installed, so the network performs exactly the way it would do normally-only now, it can incorporate both copper and fiber mediums. This flexibility in cabling allows network managers to put fiber cables anywhere within a network without changing the arrangement of the copper-based Gigabit segments.

Their compact size allows the converters to be wall-mounted to save space. Several converters can be simultaneously installed by using the UT-3012 12-slot, 19" rack-mountable chassis.

The UT-1310 takes advantage of intelligent connection technology to support Auto-negotiation, thereby eliminating the hassle of manually configuring or monitoring settings.
This ensures plug-n-play operability.

Ordering Information :

UT-1310 : 10/100/1000Base-T to 1000Base-SX/LX (SFP) Converter, without SFP
UT-1314 : 10/100/1000Base-T to 1000Base-SX (SFP) Converter, with SFP(UT-9104)
UT-1314-10 : 10/100/1000Base-T to 1000Base-LX (SFP) Converter, with SFP(UT-9104-10)
UT-9104 : Mini GBIC, 1.25G SFP-type Multimode, 3.3V, 220/550m
UT-9104-10/30/50/70/110Km : Mini GBIC, 1.25G SFP-type Singlemode, 3.3V - 10/30/50/70/110km

Main Features :

Standards :

- Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T
- and IEEE 802.3z 1000Base-SX/LX standards

Interface :

- One 10/100/1000 Mbps Ethernet port
- Auto MDI/MDI-X support on RJ-45 port
- One SFP slot for Gigabit links
- Extends distances up to 220m for multi-mode SX

(110km with long-haul singlemode) under full-duplex mode

Management :

- Link Fault Signaling (LFS) Suitable for redundantcy link
- Alarm LED illuminates to indicate link failure
- Status LEDs for easy monitoring of device's status

Mechanical & Environmental :

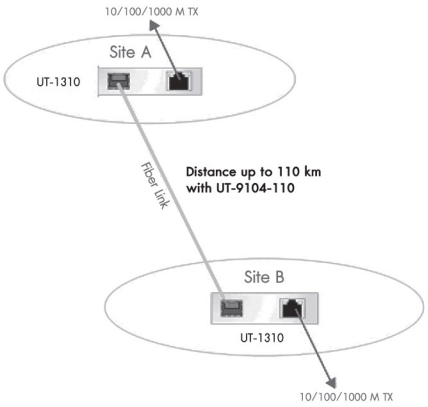
- External power supply
- Chassis-compliant (internal power supply)
- FCC Class A & CE approved
- RoHS Compliant
- Included AC power adapter 220 VAC / 12 VDC, 1A

FCC Class A | CE Approval

UT-1310 Series Specifications :

Standards :	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX
Port :	UTP Connector : 1x RJ-45 type Fiber Optic Connector : 1x SFP type
Max Distance :	UTP : 100 meters (Cat. 5/5e or beter) Fiber Optic : SFP ; 220/550m, (Multi Mode) ; 10 - 110km, (Single Mode)
Emissions :	FCC Part 15 of Class A & CE approved
Weight :	150~160g
Dimensions :	109.2 x 73.8 x 23.4 mm (D x W x H)
Dip Switch :	DIP 1 - LFS : Enable/disable Link-Fault Singnaling (LFS) DIP 2 - RSV : Reserve
Power Supply :	AC 100 ~ 240V 47/63Hz Input, DC 12V 1A Output
Power Consumption :	5.3W
Temperature :	Operating : 0°C to 50°C Storage : -20°C to 70°C
Humidity :	Operating : 10% to 80% RH Storage : 5% to 90% RH
Unit LED :	1000 : Green - Illuminated when data packets are being transmitted at 1000Mbps LFS : Red - Illuminated when failure occurs on fiber or copper link LNK/ACT : Green - Illuminated when receiving link pulses from compliant devices - Flashing when data packets are being transmitted / received PWR : Green - Illuminated for normal operation

Applications :



The diagram on the left illustrates a typical application for the UT-1310 converter.

The actual distances will depend on several factors, including the quality of cables used and the terminal equipment employed.