F.O. MEDIA CONVERTER

1000 MINI CONVERTER, SFP Slot

UT-1300A

Scope of Application

The UT-1300A is among LINK's answers to expanding existing Gigabit Ethernet networks. The easy implementaion and expansion of 1000BASE-T/1000BASE-X networks can be further assured with this converter.
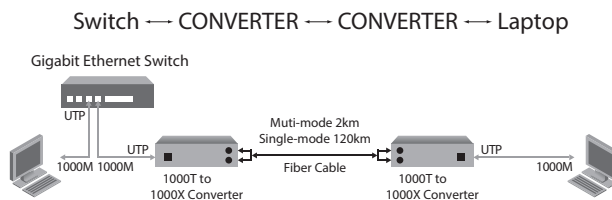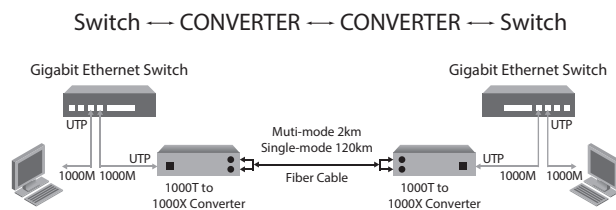
The converter is completely transparent when connected, meaning that network performance remains unchanged, except that with the UT-1300A connected the network can now combine copper and fiber cabling. Added flexibility is available with a SFP connector. Extra distances are possible with the single mode version delivering up to 120km connectivity per transmitted segment (depends on SFP module). The UT-1300A allows the installation ber cabling anywhere within a Ethernet network topology by directly connecting to existing devices. Its compact modular design facilitates deployment in a narrow desktop location to save space.

Features Highlight

- 1 x 1000Base-T, RJ45 port (Support Full/Half duplex operations)
- 1 x 1000Base-X with SFP Slot
- Auto MDI/MDI-X and Auto-negotiation (NWay or auto-sensing) on RJ45
- Extends distance for Gigabit Ethernet network (based on SFP types)
    up to 2km with multi-mode
    up to 120km with single-mode

- Support to transmit VLAN packets (IEEE802.1q)
- Support to transmit Quality of Service (IEEE802.1p)
- Support to transmit STP packets (IEEE802.1d)
- Built-in flow control (IEEE 802.3x)
- LEDs for device status
- Compact design
- Equipped with 12VDC, 1A AC adapter

Applications

The converter is functioning as a high-speed bridge between switches creating increased capacity for each user (node) on the local area network. It is providing a 1000Mbps full duplex link to a variety of Gigabit Ethernet network devices within a LAN.

Switch ⟷ CONVERTER ⟷ CONVERTER ⟷ Switch

Gigabit Ethernet Switch　　　　　　　　　　　　　　Gigabit Ethernet Switch

UTP　　　　　　　　　　　　　　　　　　　　　　　　UTP

1000M 1000M　UTP　Muti-mode 2km　UTP　1000M 1000M
　　　　　　1000T to　Single-mode 120km　1000T to
　　　　　　1000X Converter　Fiber Cable　1000X Converter

Switch ⟷ CONVERTER ⟷ CONVERTER ⟷ Laptop

Gigabit Ethernet Switch

UTP

1000M 1000M　UTP　Muti-mode 2km　UTP　1000M
　　　　　　1000T to　Single-mode 120km　1000T to
　　　　　　1000X Converter　Fiber Cable　1000X Converter

Technical Data

Standards

Standards	
IEEE 802.3ab	1000Base-T
IEEE 802.3z	1000Base-X

Fiber Optic

Fiber Optic	
Port	1 x 1000Base-X with SFP Slot
Connector Type	LC
Distance	Up to 120km (based on SFP types)

LAN (RJ45)

LAN (RJ45)	
Port	1 x 1000Base-T
Speed	Up to 1000Mbps
Max. Distance (meter)	100

Power

Power	
Power Input	12VDC, DC Jack
Power Consumption	1.6 Watt
Power Adapter	100-240VAC, 50-60Hz, 12VDC/1A Adapter

Mechanical and Environment

Mechanical and Environment	
Housing	Metal
Dimensions (W x H x D)	86.2 x 23.4 x 59.4 mm
Weight	180g
Mounting	Desktop
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 70°C
Operating Humidity	10% to 90% RH (non-condensing)
Storage Humidity	5% to 90% RH (non-condensing)
LED Panel	PWR, 1000, LNK/ACT

LEDs

LEDs	
PWR	Normal power (Green)
LNK/ACT	Illuminated(LNK): Ethernet link-up (Green) Blinking(ACT): When receiving/transmitting packets (Green)
1000	When both sides (copper and ber) link at 1000Mbps (Green)

Certications

Certications	
EMC	FCC Part 15 of Class A & CE Approved
Green Product	RoHS

Ordering Information

Ordering Information	
UT-1300A	1000Mbps MINI CONVERTER, SFP Slot

Note :

* Specications subject to change without notice.

Drawing

Front Panel View (Fiber port)

1000

Fiber Transceiver

Rear Panel View (Copper port)

12VDC   PWR   LNK/ACT   1000   1000

DC input   LED Indicators   Copper Port