



**UT-0216E**

**UT-0216E-SM30**



LINK AMERICAN STANDARD

## F.O. MEDIA CONVERTER

10/100 ENHANCE CONVERTER

### Scope of Application

The UT-0216E Series is specifically designed for medium and large workgroups which demand extended reach, and engineered to offer a solution for networks that are ready to expand or migrate from copper-based to Fiber-based networks on Ethernet/Fast Ethernet network.

The converter boasts enhanced with such features as remote loopback 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-0216E Series the ability to be quickly integrated into a network configuration.

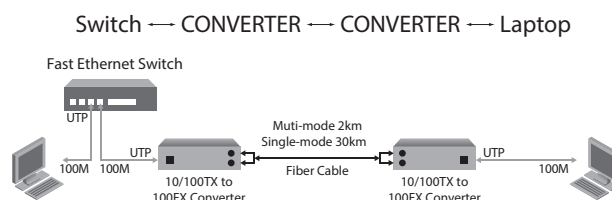
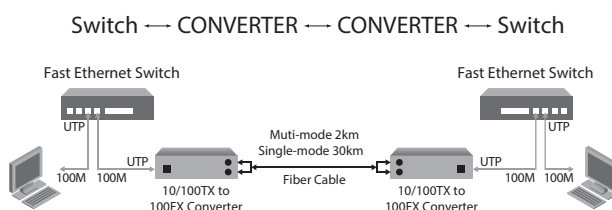
The UT-0216E Series can support a variety of fiber optic cables and connectors that can extend distances up to 2 km with multi-mode and up to 30 km with single-mode as well as offering flexibility in the migration to 100Base-FX networks Several converters can be simultaneously installed by using the UT-3012 12-slot 19" Rack-mount Chassis converter chassis.

### Features Highlight

- 1 x 10/100Base-TX, RJ45 port (Support Full/Half duplex operations)
- 1 x 100Base-FX with SC duplex
- Auto MDI/MDI-X and Auto-negotiation (NWay or auto-sensing) on RJ45
- Extends distance for Fast Ethernet network
  - Up to 2km for Multi-mode under full duplex
  - Up to 30km for single-mode under full duplex
- Support packet size up to 9KB
- Enhance with DIP-Switches allow multiple configuration
- 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)
- LFS's LED to indicate link failure status and support for redundant link to be working with L2 managed switch
- LEDs for device status
- Equipped with 12VDC, 1A AC adapter
- Support to install with 12-slot Converter Chassis (UT-3012)

### 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 100Mbps full duplex link to a variety of Fast Ethernet network devices within a LAN.





## Technical Data

Standards	
IEEE 802.3	10Base-T
IEEE 802.3u	100Base-TX, 100Base-FX
Fiber Optic	
Ports	SC Duplex
Distance	Up to 2km for Multi-mode Up to 30km for Single-mode
LAN (RJ45)	
Speed	Up to 100Mbps
Max. Distance (meter)	100
Power	
Power Input	12VDC, DC Jack
Power Consumption	2.8 Watt
Power Adapter	100-240VAC, 50-60Hz, 12VDC/1A Adapter
Mechanical and Environment	
Housing	Metal
Dimensions (W x H x D)	73.8 x 23.4 x 109.2 mm
Weight	150g
Mounting	Desktop, Chassis Compatible
Operating Temperature	0°C to 50°C
Storage Temperature	-40°C to 85°C
Optering Humidity	10% to 95% RH (non-condensing)
Storage Humidity	5% to 95% RH (non-condensing)
LED Panel	PWR, 100, LFS, LNK/ACT, FDX/COL

DIP-Switches	
DIP 1	Enables / disables auto-negotiation
DIP 2	Copper port (RJ45) full or half-duplex
DIP 3	Copper port (RJ45) 10 or 100Mbps
DIP 4	Fiber port duplex mode; full 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)

Certifications	
EMI	FCC Part 15 of Class A & CE Approved
	EN 55022 Class A
	EN 61000-3-2 EN 61000-3-3
EMS	EN 55024
	IEC/EN 61000-4-2 (ESD) Level 4
	IEC/EN 61000-4-3 (RS) Level 2
	IEC/EN 61000-4-4 (EFT) Level 2
	IEC/EN 61000-4-5 (Surge) Level 3
	IEC/EN 61000-4-6 (CS) Level 2 IEC/EN 61000-4-8 (PFMF) Level 2 IEC/EN 61000-4-11
Green Product	RoHS

Ordering Information	
UT-0216E	10/100 ENHANCE CONVERTER, SC (MM) 2 km
UT-0216E-SM30	10/100 ENHANCE CONVERTER, SC (SM) 30 km

**Note :**

\* Specifications subject to change without notice.

## Drawing

