



### UT-0216EA

### UT-0216EA-SM30



## Scope of Application

The UT-0216EA 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 DIP switches for manual activation of the enhanced features. This gives the UT-0216EA Series the ability to be quickly integrated into a network conuguration.

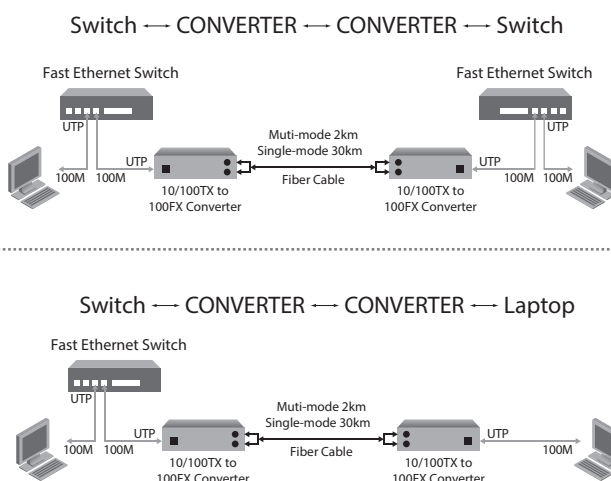
The UT-0216EA Series can support a variety of fiber optic cables and connectors that can extend distances up to 2 km with multi-mode and up to 30 km with single-mode as well as offering flexibility in the migration to 100Base-FX networks. Several converters can be simultaneously installed by using the 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 duplex SC
- 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
- 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

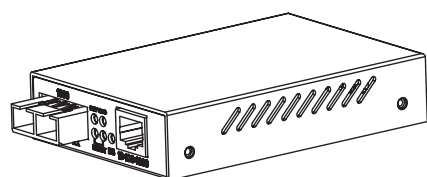
Standards		
IEEE 802.3	10Base-T	
IEEE 802.3u	100Base-TX, 100Base-FX	
Fiber Optic		
Port	Duplex SC	
Distance	Up to 2km for Multi-mode	
	Up to 30km for Single-mode	
LAN (RJ45)		
Speed	Up to 100Mbps	
Max. Distance (meter)	100	
Power		
Power Input	12VDC, DC Jack	
Power Consumption	2.8 Watt	
Power Adapter	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	138g	
Mounting	Desktop, Chassis Compatible	
Operating Temperature	0°C to 50°C	
Storage Temperature	-25°C to 70°C	
Operating Humidity	10% to 95% RH (non-condensing)	
Storage Humidity	5% to 95% RH (non-condensing)	
LED Panel	PWR, Fiber, RJ45, 100, LNK/ACT, ALM (LFS)	
Optical Characteristics	UT-0216EA	UT-0216EA-SM30
Transmit Power	-20 to -10 dBm	-15 to -8 dBm
Receiver Sensitivity	-32 dBm	-34 dBm
Wavelength	1310nm	1310nm

DIP-Switches	
LFS	Link Fault Signaling function
LLB	Local Loopback function
RLB	Remote Loopback function
Certifications	
EMI	FCC Part 15 of Class A & CE Approved
	EN 55032 Class A
	EN 61000-3-2
	EN 61000-3-3
EMS	EN 55024
	IEC/EN 61000-4-2 (ESD)
	IEC/EN 61000-4-3 (RS)
	IEC/EN 61000-4-4 (EFT)
	IEC/EN 61000-4-5 (Surge)
	IEC/EN 61000-4-6 (CS)
	IEC/EN 61000-4-8 (PFMF)
	IEC/EN 61000-4-11
Green Product	RoHS
Ordering Information	
UT-0216EA	10/100 ENHANCE CONVERTER, SC (MM) 2 km
UT-0216EA-SM30	10/100 ENHANCE CONVERTER, SC (SM) 30 km

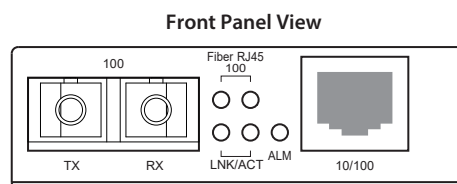
### Note :

\* Specifications subject to change without notice.

## Drawing



Converter with Duplex SC and RJ45 connectors



Fiber Port LED Indicators Copper Port

