



UT-0215EATS-20

UT-0215EARS-20



F.O. MEDIA CONVERTER

10/100 SINGLE F.O. CONVERTER

Scope of Application

The UT-0215EA 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-0215EA Series the ability to be quickly integrated into a network configuration.

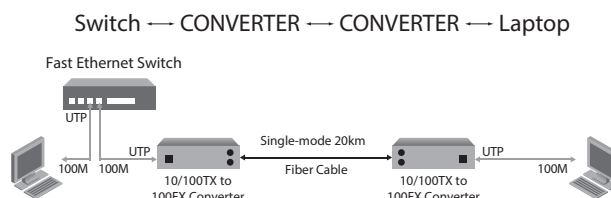
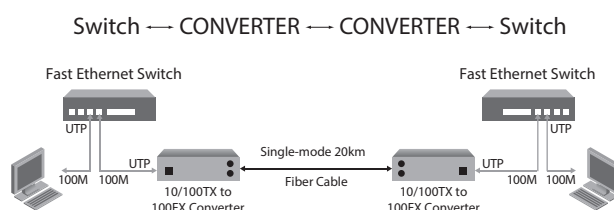
The UT-0215EA Series use wavelength of 1310nm/1550nm with single core of fiber optic to transmit and receive for optical data communications that can extend distances up to 20 km with single-mode as well as offering flexibility in the migration to 100Base-FX networks. Several converters can be simultaneously 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 simplex SC
- Auto MDI/MDI-X and Auto-negotiation (NWay or auto-sensing) on RJ45
- Extends distance for Fast Ethernet network up to 20km with 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 with ALM'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

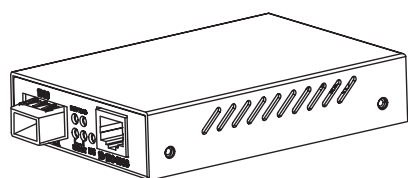
Standards		
IEEE 802.3	10Base-T	
IEEE 802.3u	100Base-TX, 100Base-FX	
Fiber Optic		
Port	Simplex SC	
Distance	Up to 20km for Single-mode	
LAN (RJ45)		
Speed	Up to 100Mbps	
Max. Distance (meter)	100	
Power		
Power Input	12VDC, DC Jack	
Power Consumption	2.8 Watt	
Power Adapter	100-240VAC, 50-60Hz, 12VDC/1A 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-0215EATS-20	UT-0215EARS-20
Transmit Power	-14 to -8 dBm	-14 to -8 dBm
Receiver Sensitivity	-31 dBm	-31 dBm
Wavelength	TX:1310nm/RX:1550nm	TX:1550nm/RX: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-0215EATS-20	10/100 SINGLE F.O. CONVERTER, SC (SM) 20 km Transmitter
UT-0215EARS-20	10/100 SINGLE F.O. CONVERTER, SC (SM) 20 km Receiver

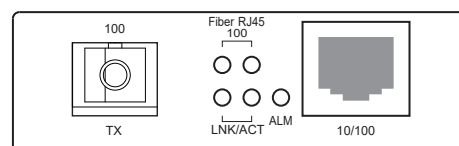
Note :

* Specifications subject to change without notice.

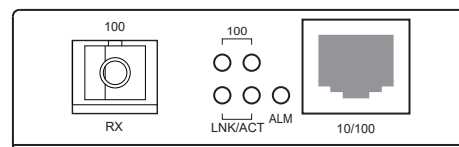
Drawing



Converter with Single SC and RJ45 connectors



Fiber Port LED Indicators Copper Port



Fiber Port LED Indicators Copper Port

Rear Panel View with DIP Switches

