

ETU-1600

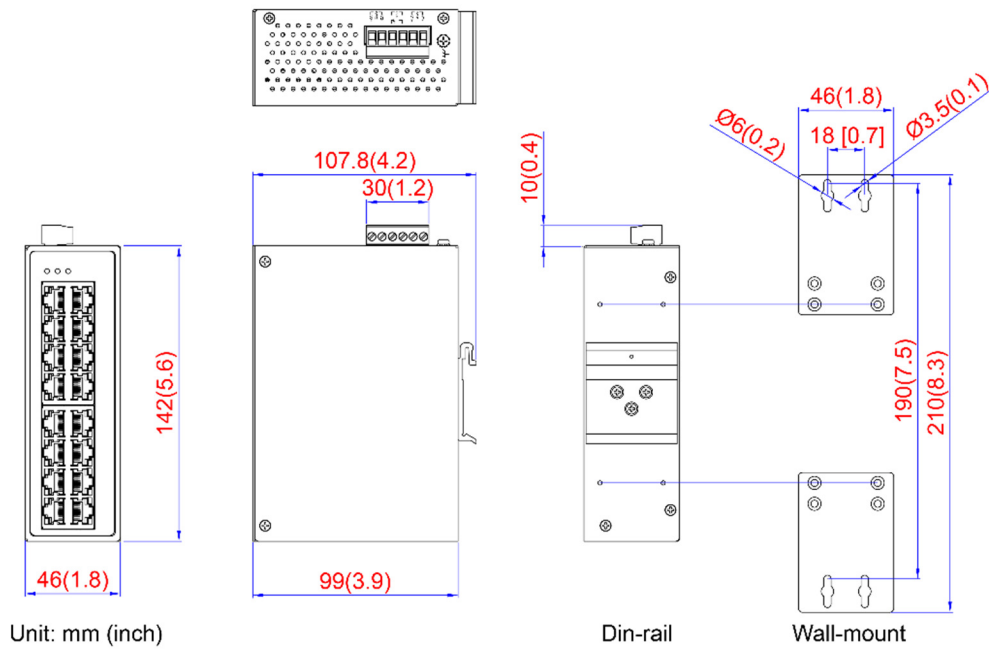
16-Port Industrial Ethernet Switch
16*10/100TX, 12-48VDC Power Input



- 16-port 10/100T(X) Fast Ethernet
- Redundant power inputs design, 12-48VDC
- IP30 Rugged Metal Case Design
- Operating temperature range
- STD: -10°C ~ 65°C, EOT: -40°C ~ 75°C



Dimensions (unit = mm)



Ordering Information

ETU-1600	16-Port Industrial Ethernet Switch 16*10/100Tx
ETU-1600-T	16-Port Industrial Ethernet Switch 16*10/100Tx, Extended Operating Temp.: -40° to 75° C

Specifications

Technology

Standards	IEEE 802.3 10Base-T Ethernet, IEEE 802.3u 100Base-TX Fast Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control

Switch Properties

Back-Plane (Switching Fabric)	3.2Gbps
Memory Buffer	4Mbits
Jumbo Frame	1664 bytes
MAC Table Size	16K
Transfer Rate	14,880pps for Ethernet port, 148,800pps for Fast Ethernet port

Interface

RJ45 Ports	16*10/100 Base-T(X) Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
LED Indicators	System: Power 1, Power 2, Fault Ethernet ports: On-Link/Flash-data transmitting
Relay Contact	24 VDC, 1A resistive
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)

Power Requirements

Input Voltage	Dual 12-48VDC redundant power inputs
Power Connection	1 removable 6-contact terminal block
Overload Current Protection	Present (Slow-Blow Fuse)
Reverse Polarity Protection	Present
System Power Consumption	Max. 3.4W full loading

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	46 x 142 x 99 mm (1.8 x 5.6 x 3.9 inch)
Weight	Unit weight: 0.628 kg (1.38 lb), Shipping weight: 0.812 kg (1.79 lb)
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

Operating Temperature	STD: -10°C ~ 65°C (14°C ~ 149°F) EOT: -40°C ~ 75°C (-40°C ~ 167°F)
Storage Temperature	-40°C ~ 85°C (-40°C ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN55032/EN61000-6-4 Class A CE EN55035/EN61000-6-2 Class A:
EMS	IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
MTBF (Telcordia SR-332, Issue 3, GB, 25°C)	1,593,197 hrs.
Warranty	5 Years