



EtherWAN

staging-ed9.hellosanta.tw/us/products/ed3501-series ED3501 Series

ED3501 Series

Industrial 10/100BASE-TX Ethernet Extender





Highlights

High Speed Performance

- - Up to 100Mbps at 300 meters distance
 - Up to 1Mbps at 2600 meters distance

Industrial Operating Temperature

- - -10 to 60°C (14 to 140°F) operating temperature range design is suitable for installation in outdoor cabinets

Overview

The ED3501 Ethernet extender allows the extension of IP services beyond normal Ethernet distance limitations without changing cables, breaking the 100-meter Ethernet barrier.

The ED3501's design features high shock, vibration, electrical noise immunity, an operating temperature range from -10°C to 60°C, and ruggedized aluminum housing. The ED3501 is the ideal Ethernet extender for environments where connectivity is crucial.

EtherWAN — "When Connectivity is Crucial."

Specifications

Interface

- Ethernet Port
 - Port: One RJ-45 port
 - Speed: 10/100Mbps
 - Distance: 100 meters (328ft.)
 - Cable: 10BASE-T: UTP Cat. 3, 4, 5 (2-pair wire); 100BASE-TX: UTP Cat. 5 (4-pair wire)
- Ethernet Extender Port
 - Port: One RJ-11/Terminal Block port
 - Speed: Up to 100Mbps
 - Distance: 2600 meters (8,530ft.)
 - Cable: Telephone wire 24AWG (0.5mm diameter, 1-pair wire) or larger
- DIP Switch
 - DIP 1: Auto/Loc
 - DIP 2: SYM/ASM
 - DIP 3: Perf./Std.
- LED Indicators
 - Per Unit: Power 1
 - Per 10/100TX Port: Link/Activity, full-duplex
 - Line Speed: 100/80/60/40/20Mbps and link below
 - SYM: Symmetric mode (distance ?1000m)
 - ASM: Asymmetric mode
 - RMT: Remote mode
 - LOC: Local mode
 - Per: On/Performance mode; Off/Standard mode

Distance (m)
Data rate (Mbps)
300
100
400
80
600
60

800
40
...
...
2600
1

All speed selections are Symmetrical on the DSL and Full-duplex on the Ethernet.
The data rate will vary according to the line quality.

Technology

- Standards
 - IEEE 802.3 10BASE-T
 - IEEE 802.3u 100BASE-TX
 - IEEE 802.3x full duplex and flow control
- Processing Type
 - Half-duplex back-pressure and full-duplex flow control
 - Auto-negotiation
 - Auto MDI/MDIX

Power

- Input
 - 12VDC (DC Jack)
- Power Consumption
 - 4.56W max. 0.38A@12VDC
- Protection
 - Over Current Protection
 - Reverse Polarity Protection

Physical

- Casing Material
 - Aluminum
- IP Rating
 - IP30
- Dimensions
 - 80.3 x 109.2 x 23.8mm (W x D x H)
 - 3.16" x 4.30" x 0.94"
- Weight
 - 0.15kg (0.33lbs)
- Installation Type
 - DIN-rail mounting (Top hat type 35mm) or wall mounting

Environmental

- Operating Temp.
 - -10 to 60°C (14 to 140°F)
- Storage Temp.
 - -20 to 70°C (-4 to 158°F)
- Relative Humidity
 - 5% to 95% (non-condensing)

Regulatory

- ISO
 - Manufactured in ISO-9001 facility
- EMI
 - FCC Part 15B Class A
 - VCCI Class A
 - EN 61000-6-4
 - EN 61000-3-3
- EMS
 - EN 61000-6-2
 - EN 61000-4-2 (ESD)
 - EN 61000-4-3 (Radiated RFI)
 - EN 61000-4-4 (Burst)
 - EN 61000-4-5 (Surge)
 - EN 61000-4-6 (Induced RFI)
 - EN 61000-4-8 (Magnetic field)
- Safety
 - UL 60950-1
 - EN 60950-1
 - IEC 60950-1
- Vibration
 - IEC 60068-2-6 Fc
- Shock
 - IEC 60068-2-27 Ea
- Free Fall
 - FED STD 101C Method 5007.1

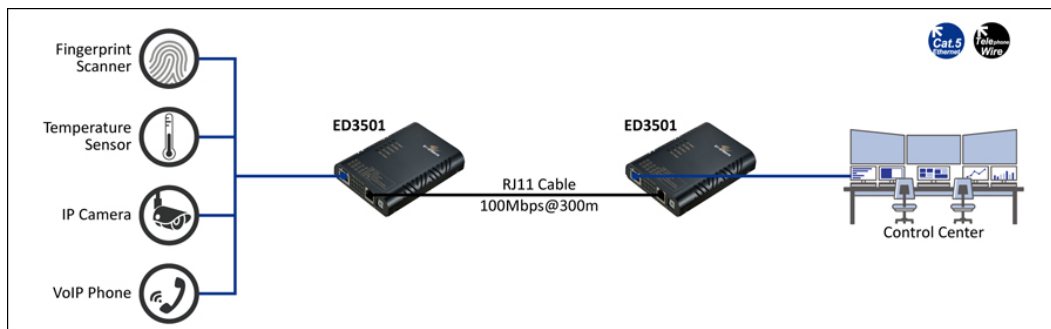
Warranty

- Length
 - Limited Lifetime
- Details
 - www.etherwan.com/support/warranty-policy

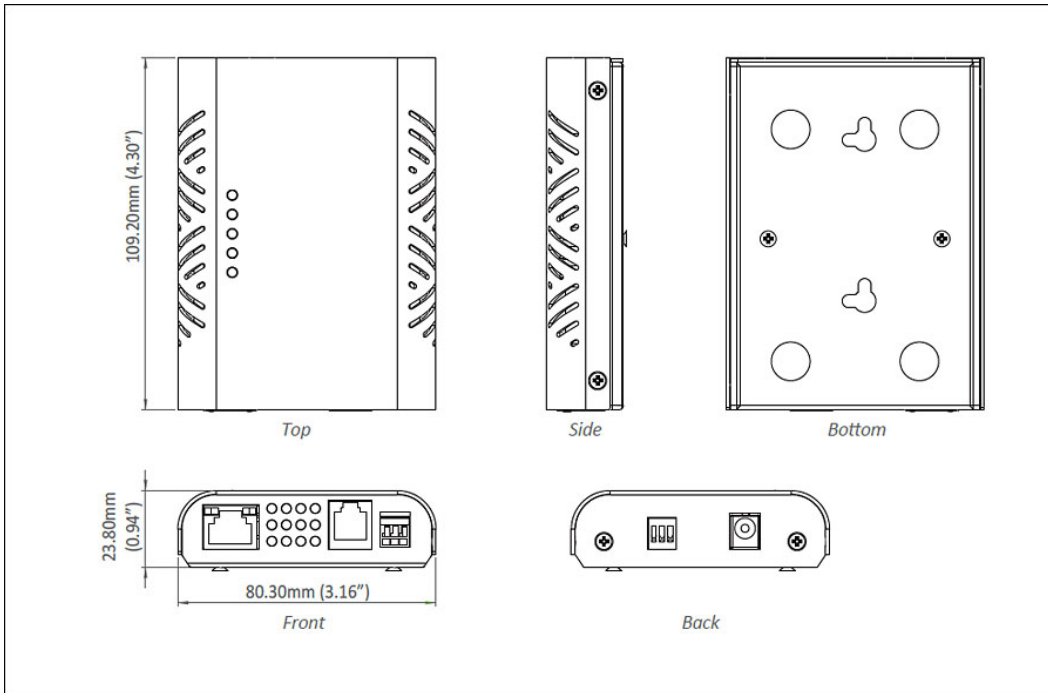
What's Included

- Device
 - Ethernet Extender
- Power
 - 12VDC Power Adapter
- Documentation
 - Quick Install Guide

Application



Dimensions



Ordering Info

Model

ED3501

10/100BASE-TX Industrial Ethernet Extender

ED3501-D

10/100BASE-TX Industrial Ethernet Extender with DIN-Rail Mounting Kit

Accessories

Multiple Channel Chassis

www.etherwan.com/products/media-converters/multiple-channel-media-converters



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