

ED3501 Series

Industrial 10/100BASE-TX Ethernet Extender



Product 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 to 60°C, and ruggedized aluminum housing. The ED3501 is the ideal Ethernet extender for environments where connectivity is crucial.

Ordering Information

Model

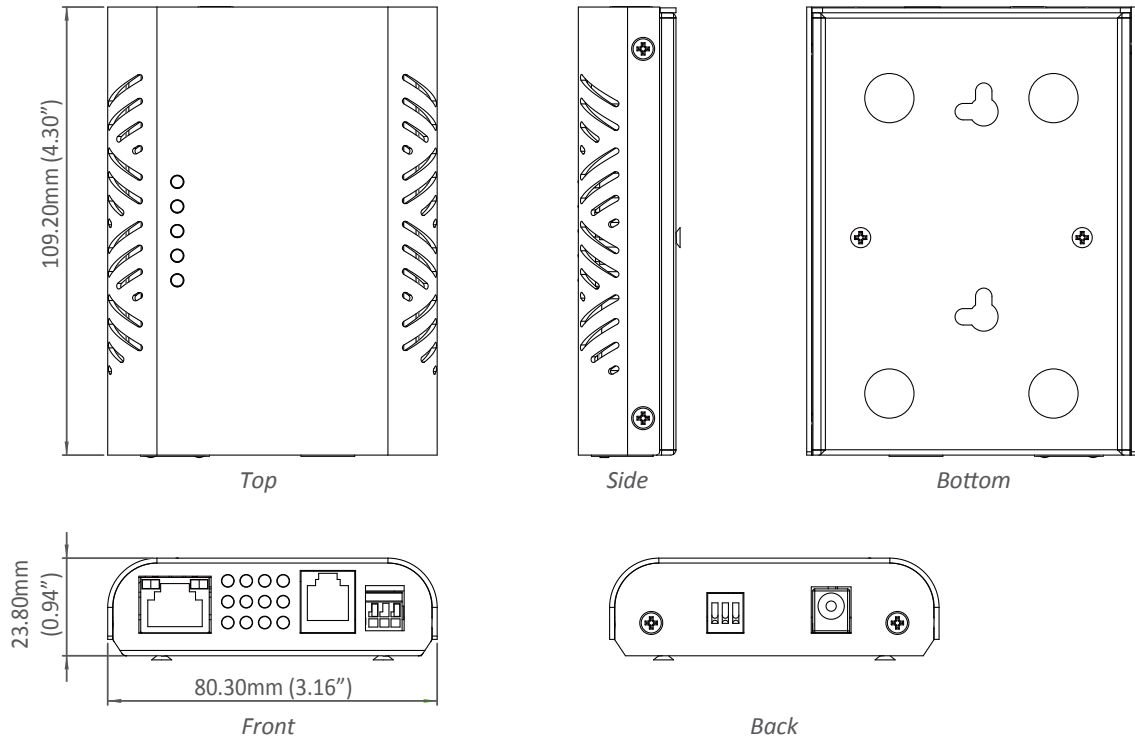
ED3501	10/100BASE-TX Industrial Ethernet Extender
ED3501-D	10/100BASE-TX Industrial Ethernet Extender with DIN-Rail Mounting Kit

Hardware Specifications

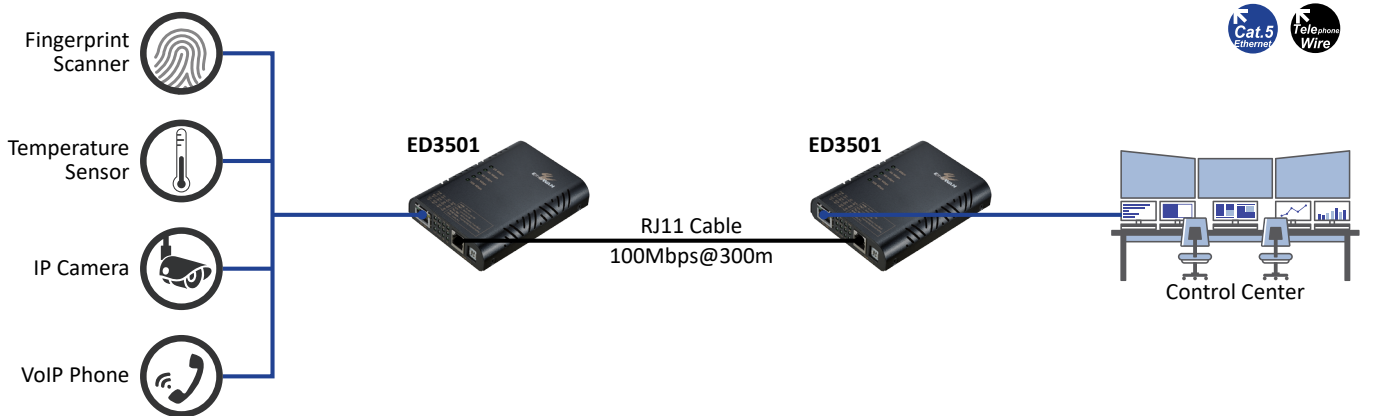
Interface		+														
Ethernet Port	Port: One RJ-45 port Speed: 10/100Mbps Distance: 100 meters (328ft.) Cable: 10BASE-T: UTP Cat. 3, 4, 5 (2-pair wire) 100BASE-TX: UTP Cat. 5 (4-pair wire)															
Ethernet Extender Port	Port: One RJ-11/Terminal Block port Speed: Up to 100Mbps Distance: 2600 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															
	<table border="1"> <thead> <tr> <th>Distance (m)</th> <th>Data rate (Mbps)</th> </tr> </thead> <tbody> <tr> <td>300</td> <td>100</td> </tr> <tr> <td>400</td> <td>80</td> </tr> <tr> <td>600</td> <td>60</td> </tr> <tr> <td>800</td> <td>40</td> </tr> <tr> <td>...</td> <td>...</td> </tr> <tr> <td>2600</td> <td>1</td> </tr> </tbody> </table>	Distance (m)	Data rate (Mbps)	300	100	400	80	600	60	800	40	2600	1	
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<p>Note: All speed selections are Symmetrical on the DSL and Full-duplex on the Ethernet. The data rate will vary according to the line quality.</p>																
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	

Dimensions



Application



Accessories

Multiple Channel Chassis



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