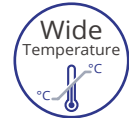
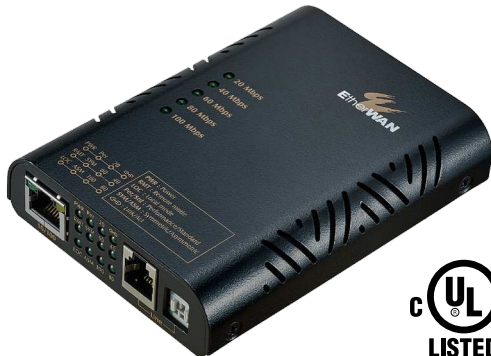




# ED3501 Series

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

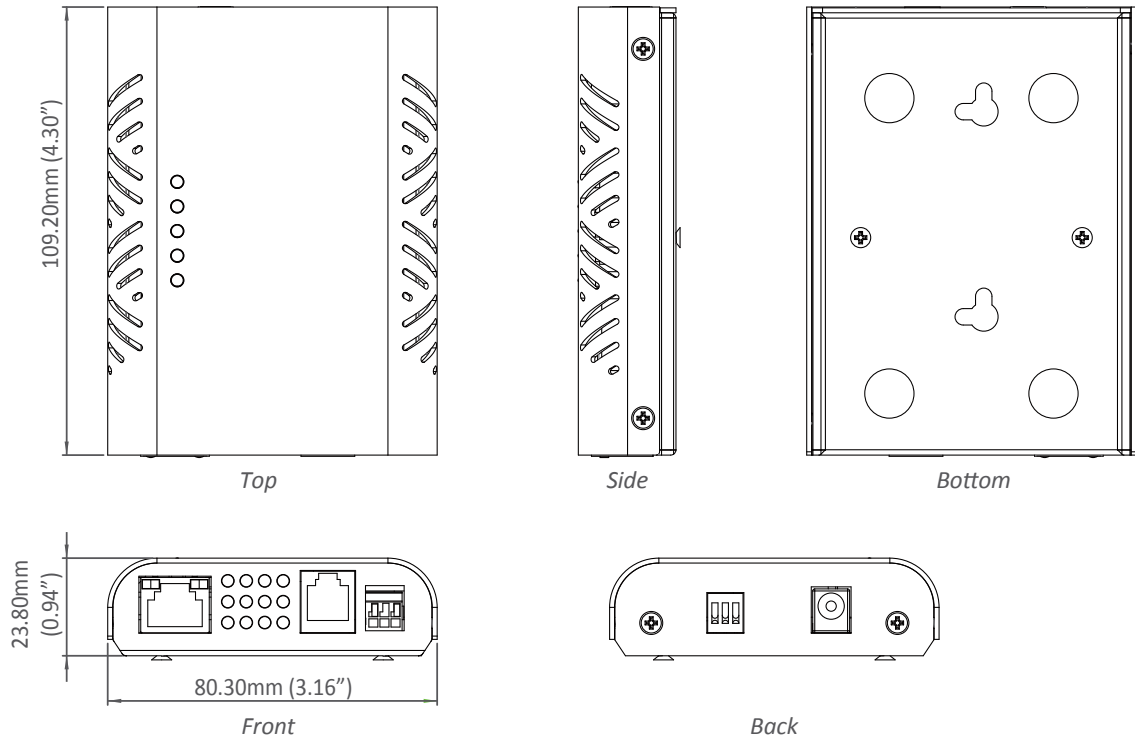
<b>ED3501</b>	10/100BASE-TX Industrial Ethernet Extender
<b>ED3501-D</b>	10/100BASE-TX Industrial Ethernet Extender with DIN-Rail Mounting Kit

# Hardware Specifications

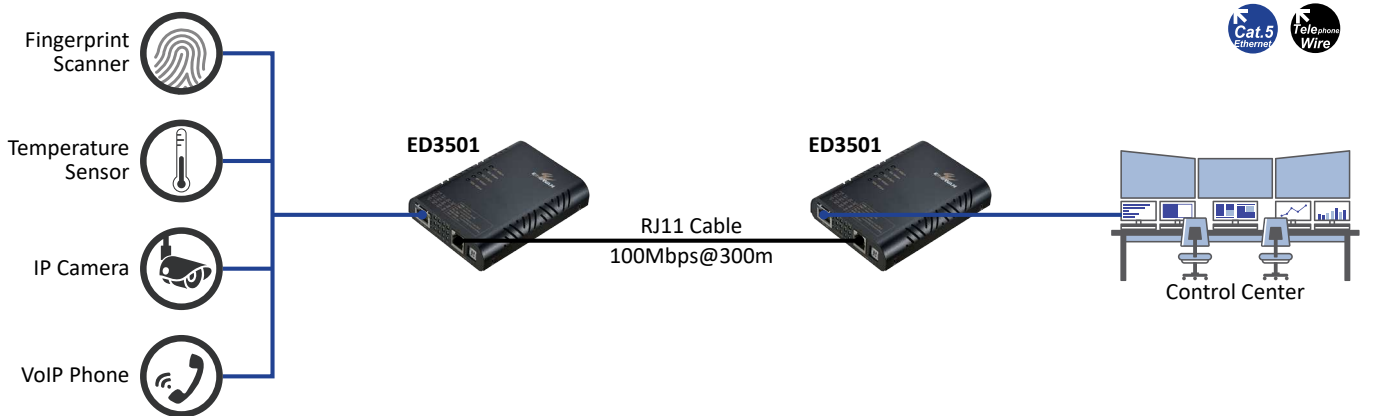
Interface		+														
<b>Ethernet Port</b>	Port: One RJ-45 port Speed: 10/100Mbps Distance: 100 meters (328ft.) Cable: 10BASE-T: UTP Cat. 3, 4, 5 (2-pair wire) 100BASE-TX: UTP Cat. 5 (4-pair wire)															
<b>Ethernet Extender Port</b>	Port: One RJ-11/Terminal Block port Speed: Up to 100Mbps Distance: 2600 meters (8,530ft.) Cable: Telephone wire 24AWG (0.5mm diameter, 1-pair wire) or larger															
<b>DIP Switch</b>	DIP 1: Auto/Loc DIP 2: SYM/ASM DIP 3: Perf./Std.															
<b>LED Indicators</b>	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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300	100															
400	80															
600	60															
800	40															
...	...															
2600	1															
<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		+														
<b>Standards</b>	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3x full duplex and flow control															
<b>Processing Type</b>	Half-duplex back-pressure and full-duplex flow control Auto-negotiation Auto MDI/MDIX															
Power		+														
<b>Input</b>	12VDC (DC Jack)															
<b>Power Consumption</b>	4.56W max. 0.38A@12VDC															
<b>Protection</b>	Over Current Protection Reverse Polarity Protection															

Physical		+
<b>Casing Material</b>	Aluminum	
<b>IP Rating</b>	IP30	
<b>Dimensions</b>	80.3 x 109.2 x 23.8mm (W x D x H) 3.16" x 4.30" x 0.94"	
<b>Weight</b>	0.15kg (0.33lbs)	
<b>Installation Type</b>	DIN-rail mounting (Top hat type 35mm) or wall mounting	
Environmental		+
<b>Operating Temp.</b>	-10 to 60°C (14 to 140°F)	
<b>Storage Temp.</b>	-20 to 70°C (-4 to 158°F)	
<b>Relative Humidity</b>	5% to 95% (non-condensing)	
Regulatory		+
<b>ISO</b>	Manufactured in ISO-9001 facility	
<b>EMI</b>	FCC Part 15B Class A VCCI Class A EN 61000-6-4 EN 61000-3-3	
<b>EMS</b>	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)	
<b>Safety</b>	UL 60950-1 EN 60950-1 IEC 60950-1	
<b>Vibration</b>	IEC 60068-2-6 Fc	
<b>Shock</b>	IEC 60068-2-27 Ea	
<b>Free Fall</b>	FED STD 101C Method 5007.1	
Warranty		+
<b>Length</b>	Limited Lifetime	
<b>Details</b>	<a href="http://www.etherwan.com/support/warranty-policy">www.etherwan.com/support/warranty-policy</a>	
What's Included		+
<b>Device</b>	Ethernet Extender	
<b>Power</b>	12VDC Power Adapter	
<b>Documentation</b>	Quick Install Guide	

# Dimensions



# Application



# Accessories

Multiple Channel Chassis



[www.etherwan.com/products/media-converters/multiple-channel-media-converters](http://www.etherwan.com/products/media-converters/multiple-channel-media-converters)