LEP-301M-KIT

Industrial IP30 Ethernet Extender, 1km 10/100mbps Ethernet PoE Extender (1 Pair)

Features
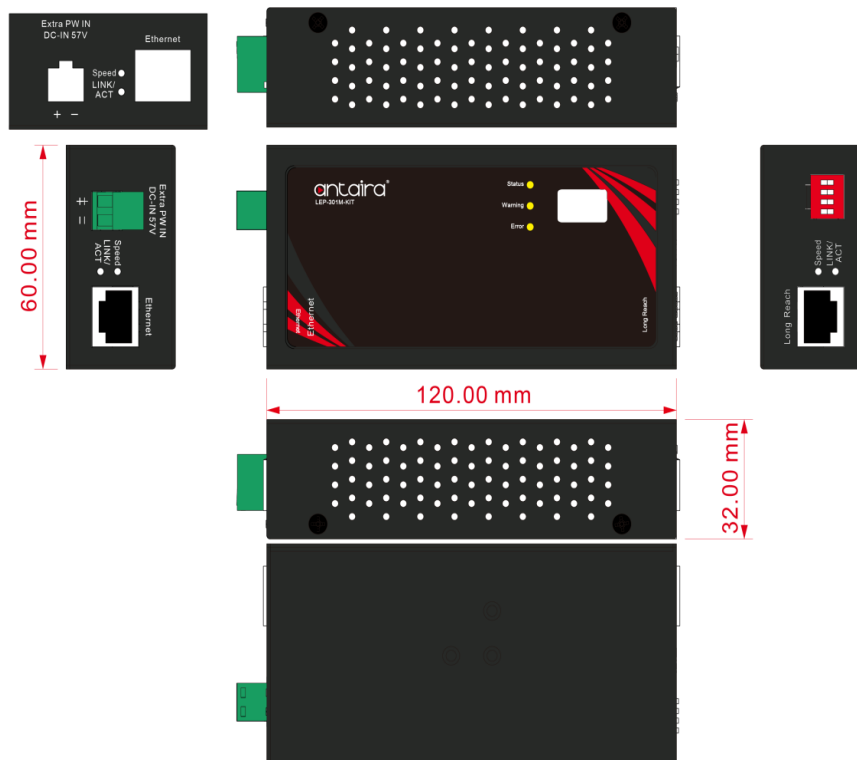
▶ Supports Standard IEEE 802.3af/at PoE output
▶ Provide IEEE 802.3af/at for the remote PD (powered device)
▶ Support MDI/MDI-X Auto-Crossover
▶ Support Auto-Negotiation
▶ Dual Power Input Design for either PoE (IEEE 802.3af/at), PoE++ (60W), or DC power supply input (54~57V)
▶ Support Auto & Manual mode configuration for the Ethernet port
▶ Provide the 7-segment digital LED to display current PoE output and diagnostic ID
▶ IP30 Protection
▶ DIN-Rail or Wall Mountable
▶ Operating Temperature Range: 0° to 60°C
▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LEP-301M-KIT contains both LEP-301M-TX and LEP-301M-RX. The former is a long reach transceiver with one PoE PD Ethernet port and one PoE Long Reach injector port, and the latter is a long reach receiver with one PoE Long Reach Extender port and one PoE PSE Ethernet port.

LEP-301M-KIT is greatly beyond 100 meters distance limitation of RJ45 cable. Up to 1km the data and power can be transmitted simultaneously over the UTP cable. This kit is fully compliant with IEEE 802.3, 802.3u, 802.3af/at standards. Operation status can be locally monitored through a set of diagnostic LEDs located in the front and rear panels.

DIMENSIONS

60.00 mm
120.00 mm
32.00 mm

SPECIFICATIONS

Technology	
Standards	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3af/at Power over Ethernet

Switch Properties	
Switch Architecture	Store-and-Forward
DIP Switch	4-position DIP Switch - Auto Speed of Ethernet Port - Manual Speed of Ethernet Port - Reserved - PSE Mode

Port Interface	
Ethernet Port	1*Ethernet In (for LEP-301M-TX): 10/100Base-T RJ45 with PoE power received 1*Long Reach Out (for LEP-301M-TX): RJ45 with PoE power transmitted 1*Ethernet Out (for LEP-301M-RX): 10/100Base-T RJ45 with PoE power transmitted 1*Long Reach In (for LEP-301M-RX): RJ45 with PoE power received
LED Indicators	Link/Act, Speed, Status, Warning, Error, and 7-segment Digital Display

Mechanical Characteristics	
Housing	Metal, IP30 Protection
Dimensions	60 x 120 x 32mm
Weight	Unit: 0.64lb
Mounting	DIN-Rail, Wall-mount (Optional)

Power Requirement	
Input Voltage	54~57VDC
Power Connection	2-Contact Removal Terminal Block
PoE Power Output	60W
Power Consumption	2.5W

Environmental Limits	
Operating Temperature	0°C to 60°C
Storage Temperature	-20°C to 60°C
Ambient Relative Humidity	5% to 90%, (non-condensing)

Regulatory Approvals	
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC Part 15 Class A, CE
Warranty	5 Years

ORDERING INFO

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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