

# LEP-401M-KIT

Industrial IP30 Ethernet Extender, 800 meters, 10/100Mbps Ethernet PoE Extender (1 Pair: LEP-401M-L and LEP-401M-R)



## FEATURES

- ▶ Supports Standard IEEE 802.3af/at or Passive PoE Devices
- ▶ Provide IEEE 802.3af/at for the Remote PD (Powered Device)
- ▶ Support MDI/MDI-X Auto-Crossover
- ▶ Support Auto-Negotiation
- ▶ DC Power Supply Input (55~57V) (Local End)
- ▶ Support Auto & Manual Mode Configuration for the Ethernet Port
- ▶ IP30 Protection
- ▶ Wall Mountable
- ▶ Operating Temperature Range: -40°C to 75°C
- ▶ 5-Year Warranty



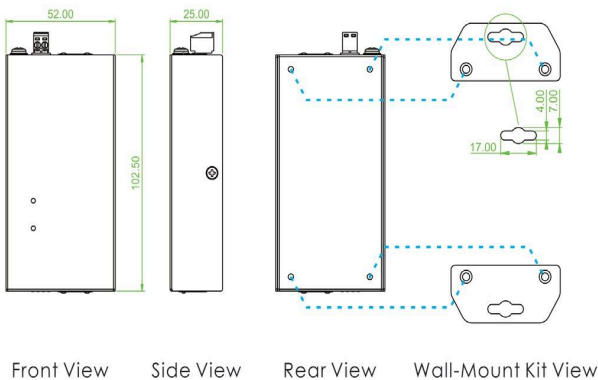
## INTRODUCTION

Antaira Technologies' LEP-401M-KIT contains both LEP-401M-L and LEP-401M-R. The former is a long reach transceiver with one 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.

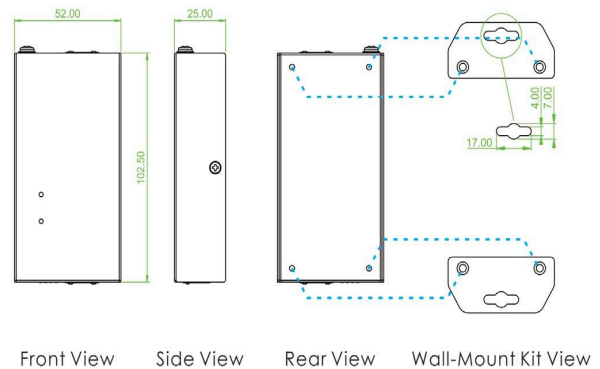
LEP-401M-KIT is greatly beyond the 100 meters distance limitation of RJ45 cable. Up to 800 meters the data and power can be transmitted simultaneously over the UTP cable. This kit is fully compliant with IEEE 802.3, 802.3u, 802.3af/at standards. Operation status can be locally monitored through a set of diagnostic LEDs located in the front and rear panels.

## DIMENSIONS

LEP-401M-L



LEP-401M-R



## SPECIFICATIONS

TECHNOLOGY		MECHANICAL CHARACTERISTICS	
<b>Standards</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3af/at Power over Ethernet	<b>Housing</b>	Metal, IP30 protection
<b>SWITCH PROPERTIES</b>		<b>Dimension</b>	52 x 25 x 102.5 mm (W x H x D)
<b>Switch Architecture</b>	Store-and-Forward	<b>Weight</b>	Unit: 0.38 lb. Shipping: 0.75 lb.
<b>DIP Switch</b>		<b>Mounting</b>	Wall mounting
<b>LEP-401M-L</b> 1: Power over line- ON: Disable; OFF: Enable 2: LFPT- ON: Enable; OFF: Disable 3: Line Speed- ON: 10M; OFF: Auto		<b>POWER REQUIREMENT</b>	
<b>LEP-401M-R</b> 1: PoE for PD- ON: Disable; OFF: Enable 2: LFPT- ON: Enable; OFF: Disable 3: PoE PD mode- ON: Passive PoE; OFF: Standard PoE		<b>Input Voltage</b>	55~57VDC
<b>PORT INTERFACE</b>		<b>Power Connection</b>	2-contact removable terminal block
<b>LEP-401M-L</b> 2 pin Terminal Block for power input connector 1 RJ45 for LAN 10/100Base-TX Ethernet port 1 RJ-45 for extension distance and delivery power and communication data to remote unit		<b>PoE Power Output</b>	30W
<b>Network Connector</b>	<b>LEP-401M-R</b> 1 RJ45 for LAN 10/100Base-TX PoE/PSE Ethernet 1 RJ-45 for long distance receiving power and communication data from local unit	<b>System Power Consumption</b>	<b>LEP-401M-L:</b> < 3W (without PoE); 34.5W (with PoE @ 30W) <b>LEP-401M-R:</b> < 1.5W (without PoE); 32.5W (with PoE @ 30W)
<b>LED Indicators</b>		<b>ENVIRONMENTAL LIMITS</b>	
<b>LEP-401M-L</b> Power (Green); Delivery Power Range <15W (Amber), >15W (Green); LFPT (Amber) LAN Link active (Green), Line Speed/Link active 10M(Amber), 100M(Green)		<b>Operating Temperature</b>	-40°C to 75°C
<b>LEP-401M-R</b> Power (Green); PoE Power Range for PD <15W (Amber), >15W (Green); LFPT (Amber); LAN Link active (Green) Line Speed/Link active 10M (Amber), 100M (Green)		<b>Storage Temperature</b>	-40°C ~ 85°C
		<b>Ambient Relative Humidity</b>	10 to 95%, (non-condensing)
<b>REGULATORY APPROVALS</b>			
		<b>Free Fall</b>	IEC60068-2-31
		<b>Shock</b>	IEC60068-2-27
		<b>Vibration</b>	IEC60068-2-6
		<b>EMC</b>	CE (EN55032, EN55035)
		<b>EMI</b>	FCC Part 15 Subpart B Class A, CE
		<b>EMS</b>	EN61000-4-2,3,4,5,6,8
		<b>Warranty</b>	5 Years

## ORDERING INFORMATION

<b>LEP-401M-KIT</b>	Industrial IP30 Ethernet Extender, 800 meters, 10/100Mbps Ethernet PoE Extender (1 Pair: LEP-401M-L and LEP-401M-R)
<b>LEP-401M-L</b>	Industrial IP30 Ethernet Extender, 800 meters, 10/100Mbps Ethernet PoE Extender (Local End); EOT: -40°C to 75°C
<b>LEP-401M-R</b>	Industrial IP30 Ethernet Extender, 800 meters, 10/100Mbps Ethernet PoE Extender (Remote End); EOT: -40°C to 75°C

## 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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