

# EP2wire-LP Pair

## Local Powered PoE Repeater over 2-wire



EP2wire-LP performs to connect Ethernet with remote PoE capability at a distance up to 1,500 ft over 24AWG line when using an external power adaptor of 48VDC output.

EP2wire-LP works in pair with one master and one slave (client) units. In addition, it is compliant to Safety-Extra-Low-Voltage (SELV) standard.

EP2wire-LP Pair consist of Master and Slave units.

Master	Type	Input Power by	Transmit Ether/PoE over
EP2wire-LP	Compact Metal Box	Local high power	2-wire

Slave (Client)	Type	Input Power by	Output via Cat.5 cable with
EP2wire-S	Compact Metal Box	2-wire	Ethernet/PoE-PSE

\*Metal box can be wall mounted

## Features:

- Remote Line Power over 2-wire
- Maximum 1,500 ft distance for 24AWG 2-wire line
- Line rate up to 60 Mbps full duplex
- Dip Switches for line speed settings with Slave following Master
- Up to 7 or 20 watts via PoE, depending on power from Master
- IEEE 802.3af PSE Compliant for Class 0-3.
- Auto MDIX for 10/100 BaseT Ethernet LAN Ports
- Low-Latency for Video/Voice/Data applications

## Technical Specifications:

### LAN Interface:

- IEEE 802.3af Compatible PSE for Slave
- Auto-Detection for 10/100 BaseT and Half/Full duplex
- Fully compatible with IEEE802.3/IEEE802.3u
- Automatic MDIX Function
- Connector: RJ45

### Line Interface:

- Line Rate: 60/60 ~ 10/10Mbps (full duplex)
- Rate Selection: Dip Switches with Slave following Master
- Safety Extra Low Voltage (SELV) Compliant (< 60V)
- Connector: RJ11

### Remote PSE:

- IEEE 802.3af Compliant with output voltage within 44 – 57Volt
- Power Auto Restart with Under Voltage Lockout (UVLO) Fault Detection
- Maximum output power 15.4 or 30 Watts depending on power from master

### LED Indicators:

**POWER:** Power is ON

**LINE:** 2-wire Line Connection Status

**LAN:** Data Activity of LAN Port

**M/S:** Master or Slave

### Physical Dimension:

Yoda Communications, Inc.

2F, No. 3-1, Industry East Road IX, Science Based Industrial Park, HsinChu, Taiwan

Tel: +886-3-5632323

Fax: +886-3-5636420

Web: www.yoda.com.tw



EP2wire-LP & EP2wire-S: 120 x 90 x 28 (mm)

**Operating Environment:**

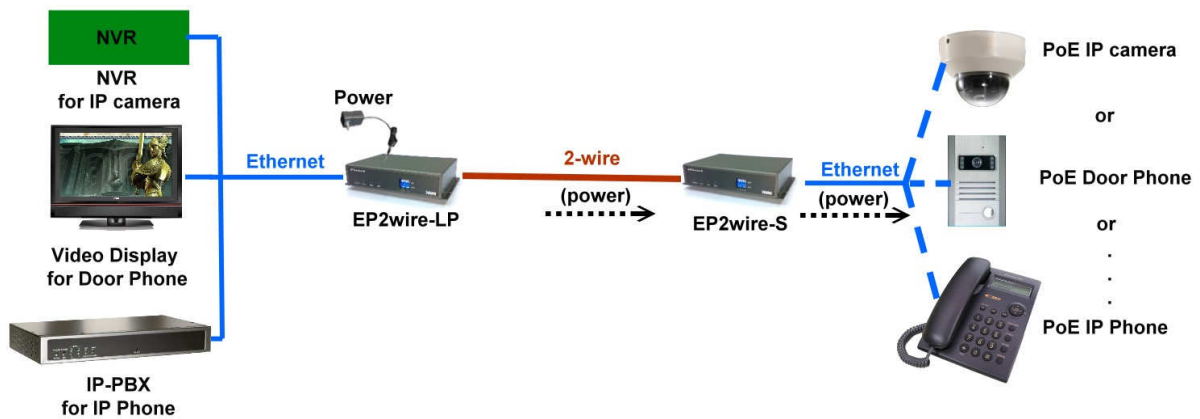
- Humidity: 5% to 95% non-condensing
- Temperature: 0 ~ 50 degree C

**Regulatory Compliance:**

- FCC Rules Part 15
- CE

**Application Diagram:**

<EP2wire-LP is fed by local power adaptor>



※ Performance table over 24AWG 2-wire Line (RJ-11)

Local Powered by Power Adaptor of	Data Rate (Up/Down)	24AWG 2-wire Distance	Max. output Power (PSE)
Input: 100~240VAC Output : 65W 48VDC, 1.35A	60/60 Mbps	500 ft	15+ W
	30/30 Mbps	1,000 ft	15+ W
	10/10 Mbps	1,500 ft	15+ W

