

EP2wire series

2wire PoE Repeater



Deliver Ethernet packets with remote PoE capability at a distance up to 1000 ft over 2-wire or coaxial cables.

EP2wire works in pair with one master and one slave(client) units. In addition, it is compliant to Safety-Extra-Low-Voltage (SELV) standard. Outdoor units with IP65 rated are also available.

EP2wire series consist of different models for varied working environment.

Master	Type	Input Power by	Transmit Ether/PoE over
EP2wire-MD	Compact Metal Box	PoE via Cat. 5	2-wire
EP2wire-ML	Compact Metal Box	Local power	2-wire
EP2wire-MHL	Compact Metal Box	Local high power	2-wire
EP2wire-MD-ODU	ODU Enclosure	PoE via Cat. 5	2-wire
EP2wire-MD-BNC	Compact Metal Box	PoE via Cat. 5	Coaxial cable
EP2wire-ML-BNC	Compact Metal Box	Local power	Coaxial cable
EP2wire-MHL-BNC	Compact Metal Box	Local high power	Coaxial cable

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

*Metal box can be wall mounted

Features:

- 60/60Mbps, 40/40Mbps, 20/20Mbps speed selectable
- Remote Line Power over 2-wire or coaxial cables
- Easy installation and system setup procedure
- Auto MDIX for 10/100 BaseT Ethernet LAN Ports

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- IEEE 802.3af PSE Compliant for Class 0-3.
- 4 Dip Switches for Master/Slave Configurations
- Low-Latency for Video/Voice/Data applications

Technical Specifications:

LAN Interface:

- Auto-Detection for 10/100 BaseT and Half/Full duplex
- Fully compatible with IEEE802.3/IEEE802.3u
- Automatic MDIX Function
- RJ-45 Connector x 1

Remote Line Power:

- Safety-Extra-Low-Voltage (SELV) Compliant
- Power Auto Restart with Under Voltage Lockout (UVLO) Fault Detection

LED Indicators:

- **POWER:** Power is ON
- **LAN:** Data Activity of LAN Port
- **LINE:** Loop Connection Status
- **M/S:** Master/Slave

Physical Dimension:

Desktop: 120 x 90 x 28 (mm)

Power: (for models with local power feeding)

12VDC 2.5A

Operating Environment:

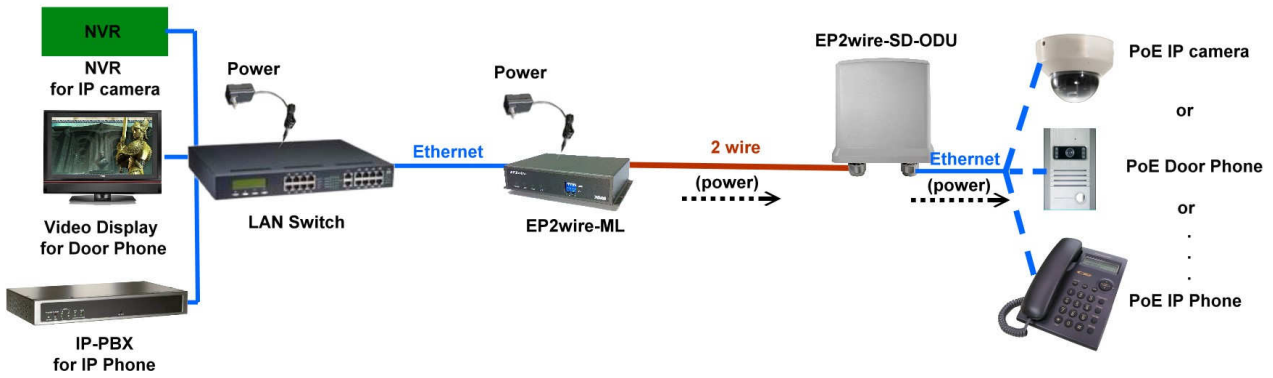
- Humidity: 5% to 95% non-condensing
- Temperature: 0 ~ 50 degree C

Regulatory Compliance:

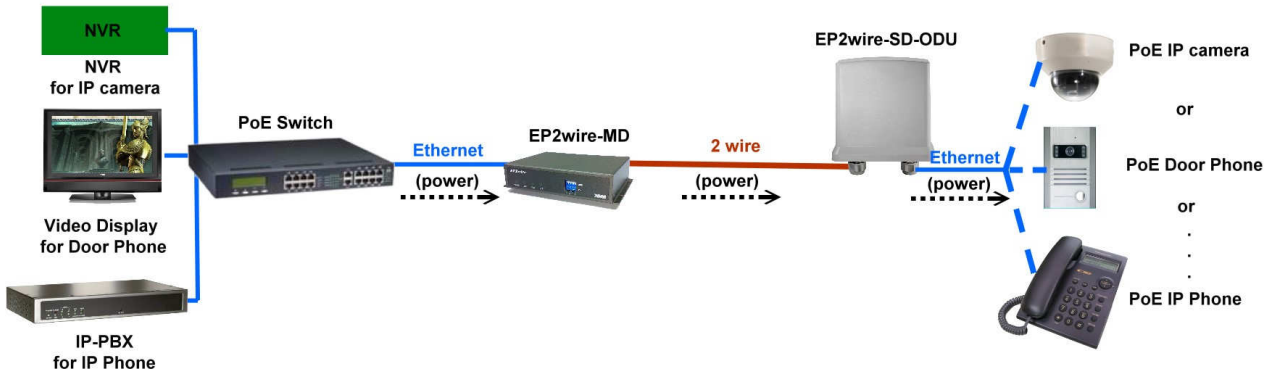
- FCC Rules Part 15
- CE

Application Diagram:

<EP2wire-Master is fed by local power>



<EP2wire-Master is fed by PoE Switch or Injector, no local power required>



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

POE Switch/Injector Input PSE Power	Data Rate (Up/Down)	2-wire Line Distance	Max. output PSE Power
15.4W (IEEE 802.3af)	60/60 Mbps	300 ft	7 W
40~50W (High Power POE)	60/60 Mbps	300 ft	20+ W
	40/40 Mbps	1000 ft	15+ W
	20/20 Mbps	2000 ft	10+ W

<EP2wire is working over coaxial wireline>



