



FEATURES:

- CE, EAC certified
- Indoor and outdoor design
- Standard IEEE802.3af/at compliance
- Support 10/100 and 10/100/1000 Base-T applications
- Extends PoE connection distance up to 100 meters
- Additional power source not required
- Compact size

APPLICATION

The models of PoE Extenders **Ext/1Gb/PoE** and **Ext/POE (IP66)** (hereinafter 'Extender') allows you to increase the transmission distance of information signals and power using PoE (Power over Ethernet) technology.

As a rule, the distance between the ports of network devices, when transmitting power using PoE technology, is limited to 100 meters. The Extender is used to increase this distance. To connect every additional 100m Ethernet cable (UTP cat.5e or 6), it is necessary to use an intermediate including of the Extender in line.

Thus, using the Extender, you can connect powered devices (IP cameras, VoIP phones, etc.) more than 100 meters from the power supply device. By connecting an additional Extension for every additional 100 m of cable, it is possible to increase the distances up to 200, 300 and more meters, depending on the required power of the powered device.

The Extender does not require an additional power source, because it powered by a PoE switch or a PoE injector. The Extender has two Ethernet ports that are automatically tuned to the link speed, access modes: duplex, crossover, full-rate network throughput.

SPECIFICATION

Parameter	Value
Number of channels	1
Bandwidth	10/100/1000 Mbps half/full duplex
PoE input	1,2(-) 3,6(+) and 7,8(-) 4,5(+)
PoE output	1,2(-) 3,6(+). Maximum power up to 25 W
Indicators (for model Ext/1Gb/PoE only)	LED indicators are located on the RJ45 connector Power indicator: PoE enabled, Network indicator: Link/Act
Connectors	Shielded RJ-45, EIA 568A and 568B
Network cables	Shielded category 5 (or higher)
Dimensions, LxWxH, mm	145x60x40 (185x45x45 for IP66)
Mounting	Wall of shelf
Environment Ext/1Gb/POE	Work temperature: -10..45°C. Humidity 90% max. non-condensing. Storage temperature: -40..70 °C. Humidity 95% max. non-condensing.
Environment Ext/POE (IP66)	Work temperature: -25..55 °C. Can be used outdoor (IP 66), subject to the use of outdoor waterproof cable UTP. Storage temperature: -40..70 °C.
Regulatory Compliance	IEEE802.3af/at

Maximum Distances for Power Sources

The table shows the maximum distances from the supplying PoE device (PSE) to the powered one (PD), with cascade connection of Extenders, depending on the power supply and consumption.

PD type	PSE			
	PoE Switch (802.3af, 15.4W,50V)	PoE Injector (802.3af, 15.4W, 50V)	PoE Switch (802.3at, 30W, 50V)	PoE Injector (802.3at, 30W, 50V)
	Maximum possible distance			
PoE Class 2, up to 6 W	300 m	300 m	400 m	400 m
PoE Class 0 or 3, up to 12 W	200 m	200 m	300 m	300 m
PoE Class 4, up to 22 W	Not applicable	Not applicable	200 m	200 m

Note: Extenders are installed every 100 meters of the line. Actual values depend on actual operating conditions. Calculated for cables 24AWG and thicker categories 5e and above.

Example of application

