

User Manual

Outdoor PoE Extender

AVN-PO-EXT22G



PoE extender

A quality product for PoE network point-to-point up to 500m. Works with PoE standards IEEE802.3af and IEEE802.3at. This device serves as a data switch port that is powered by PoE, and transmits it further on another 100m together with the data.

Depending on the amount of power consumption, may use up to 4 PoE Extender in the same chain, thereby increasing transmission distance up to 500m (IEEE802.3af class 1, see table. "Maximum distance")

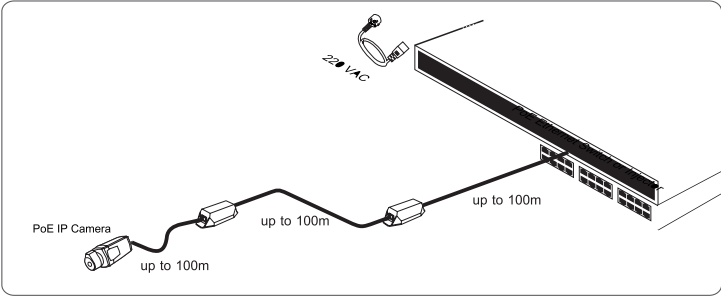
Features

- Mini-size, wall mounting
- Requires no external power supply
- Low power consumption, only 2W
- Auto-sensing PoE devices
- Compatibility with 802.3af and 802.3at

Maximum distance

PoE Device (PD)	PoE Injector or Switch IEEE802.3af (max 15.4W)	PoE Plus Injector or Switch IEEE802.3at (max 30W)
IEEE802.3af class 1 no more than 4W	400m (3pcs PoE Extender)	500m (4pcs PoE Extender)
IEEE802.3af class 2 no more than 6W	300m (2pcs PoE Extender)	400m (3pcs PoE Extender)
IEEE802.3af class 0&3 no more than 12W	200m (1pcs PoE Extender)	300m (2pcs PoE Extender)
IEEE802.3at no more than 22W	Not applicable	200m (1pcs PoE Extender)

Typical Connection Diagram



Technical Characteristics

Number of channels	1
Pass Through Data Rates	10/100/1000 Mbps half/full duplex
Power over Ethernet input	Pin Assignment and Polarity: Both 1/2 (-), 3/6 (+) and 7/8 (-), 4/5 (+)
Power over Ethernet	Pin Assignment and Polarity: 1/2 (-), 3/6 (+)
Output	Output Power: up to 22W
Connectors	Shielded RJ-45, EIA 568A and 568B
Network cables	Shielded category 5 (or higher)
Dimensions	140mm x 40mm x 30mm (W x D x H)
Mounting	Wall of shelf
Environment	Outdoor IP65
Environmental Conditions	Operating Ambient Temperature: -40°C to 75°C Operating Humidity: Maximum 90%, Non-condensing Storage Temperature: -40°C to 75°C Storage Humidity: Maximum 95%, Non-condensing
Regulatory Compliance	IEEE 802.3af (PoE), IEEE 802.3at (PoE+) RoHS Compliant, CE, FCC
Electromagnetic	FCC Part15, Class B

