

Gigabit Outdoor PoE+ Extender

Datasheet

POE20E-Outdoor



Highlights

- 2×10/100/1000 Mbps RJ45 ports
- Compliance with 802.3af/at devices
- Supplies up to 30 W, which meets the power consumption requirements of most IP cameras
- Extends a PoE/PoE+ network connection by an additional 100 m/250 m* from the PoE power sourcing equipment
- Plug-and-Play, requires no configuration

Overview

The Gigabit Outdoor PoE+ Extender is designed to extend the data transmission distance between PoE power sourcing equipment and PoE powered devices. It can be used with 802.3af/at-compliant devices, which is very suitable for long-distance wiring requirements in surveillance scenarios.

Specifications

Hardware Features & Performance

Model		POE20E-Outdoor
General	Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at
	LED	2×Link/Act
	Cable Type	10BASE-T: 2-pair UTP/STP (≤250m) of Cat. 3 or above 100BASE-TX: 2-pair UTP/STP (≤100m) of Cat. 5 or above 1000BASE-T: 4-pair UTP/STP (≤100m) of Cat. 5e or above
	Ports	1×10/100/1000 Mbps Auto-Negotiation RJ45 1×10/100/1000 Mbps Auto-Negotiation RJ45
	PoE Input	Compliance with 802.3af/at devices
	Max. PoE Output	30W
	Dimensions (W×D×H)	8.73×1.22×1.24 in (221.7×31×31.5 mm, including waterproofing components) 4.8×1.22×1.24 in (120.8×31×31.5 mm, excluding waterproofing components)
	Certification	CE, FCC, BSMI, KC
	MAC Address Table	2K
	Jumbo Frame	9216 bytes
Physical & Environment	Operating Temperature	-40°C to 65°C (-40°F to 149°F)
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)
	Operating Humidity	15% to 90% RH non-condensing
	Storage Humidity	15% to 90% RH non-condensing
	IP Rating	IP68
	Lightning Surge Protection	6kV
	ESD/EMP Protection	Air: ±15kV Contact: ±10kV

* POE20E-Outdoor features an adaptive data rate design. Link stability may be affected by cable length, cable quality, and the characteristics of the connected devices. Under certain conditions—such as using 160–170m Cat5e cables (tested in lab environments)—intermittent connectivity may occur. To resolve this issue:

- (1) Manually configure the connected device to operate at 10 Mbps full-duplex or enable Extend Mode on the PSE, or
- (2) Adjust the cable length to avoid the affected range.

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