

Model: POE20

2-Channel Gigabit PoE Extender



Highlights

A 2-channel PoE extender that splits the PoE into 2 PoE lines and extends their distance by 100m.

- GbE In, 2× GbE Out
- 802.3bt/at/af Input, $\geq 60W$ is recommended
- Dual 802.3at/af Max 30W Output
- High-Speed/Long-Range Modes
- High-Speed Extension up to 100 meters
- Extend for 250 meters Transmission
- Wall-Mount

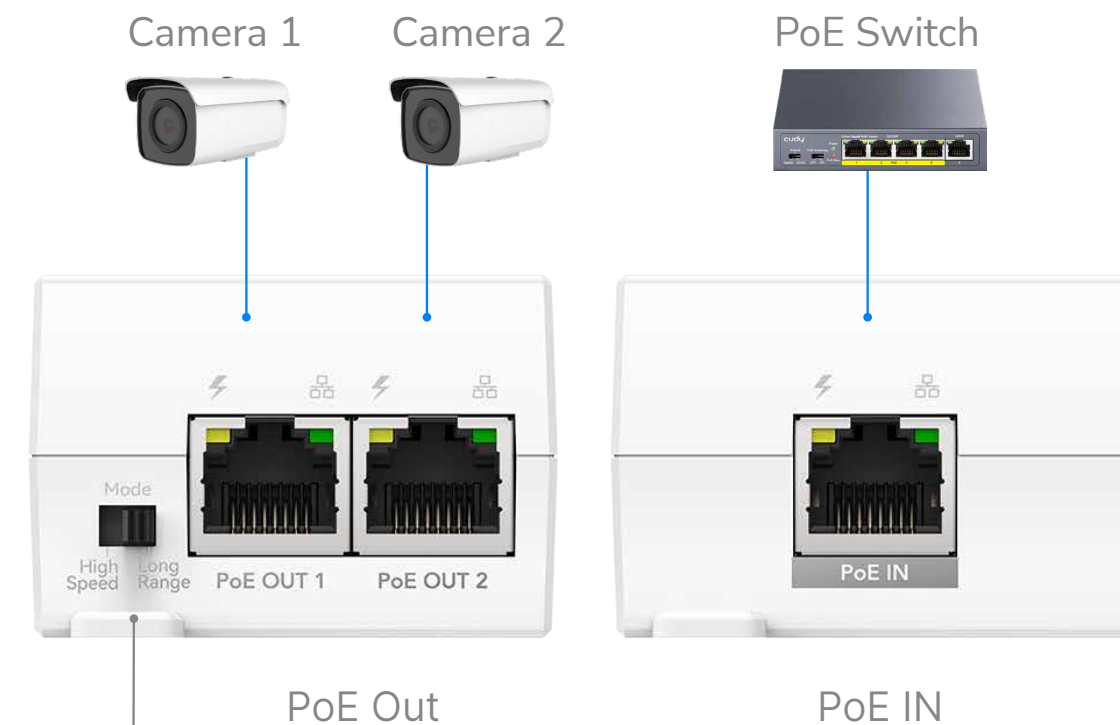
* The actual available power equals the uplink power minus the loss on the line and device's own power consumption (see the power consumption in the spec sheet). A PoE switch that supports standard IEEE PoE standard at 54 V is recommended.

* 100m extension is measured from the GbE out to the client devices. The section between uplink switch and GbE In is determined by the uplink switch.

* The speed will be limited at 10 Mbps under the Extend/Long-Range mode.

Package Content

- POE20
- Mounting Kit
- Installation Guide



High-Speed Mode: 100 meter PoE distance,
10/100/1000 Mbps speed

Long-Range Mode: 250 meter PoE distance,
10 Mbps speed



Specifications

Protocols	802.3 Protocols	802.3i 10 Mbps over Twisted Pair
		802.3u 100 Mbps over Twisted Pair
		802.3ab 1 Gbps over Twisted Pair
		802.3x Flow Control
		802.3af PoE
		802.3at PoE
		802.3bt PoE
PoE	Uplink Stream	1× GbE, 802.3bt/at/af
	Uplink P- Assignment	Mode A / Mode B / Four-Pair
	Downlink Stream	2× GbE, 802.3at/af
	Downlink Pin Assignment	Mode A
	Transimission Distance	Cat. 5e or higher cable: 100 meters at Gigabit
		Cat. 5e or higher cable: 250 meters at 10 Mbps
	Transimission Distance Note	250-meter transmission is only available under the Long-Range mode.
Other	Physical Buttons	High-Speed/Long-Range DIP Switch
Interfaces	LED	PoE Status of Each PoE Port
		Link/ACT of Each Ethernet Port
Power	Power Input	≥60W is recommended
	Max Power Output	2× 30W
	Max Power Output Note	The actual power output depends on input
	Max Power Consumption (W)	2W

Reliability	Client Protection	Polarity Protection
		Overvoltage Protection
		Short-Circuit Protection
		Automatic Voltage Regulation
	EMS	ESD: Contact: 6kV; Air: 8kV
		Surge: RJ45: CM 2kV
	Environment	Ambient Operating Temperature: 0~40 ℃ (32~104 °F)
		Storage Temperature: -40~70 ℃ (-40~158 °F)
		Operating Humidity: 10%~95%
		non-condensing Storage Humidity: 5%~95% non-condensing
Mechanical	Install in a Daisy Chain	Up to 3 extenders in a chain
	Installation	Desktop, Wall-mount
	Casing Material	Plpastic
	Dimension	123×50×36 mm
		4.84×1.97×1.42 inches