

EPo2 Extender over 2 Wires

EPo2 TX Adapter

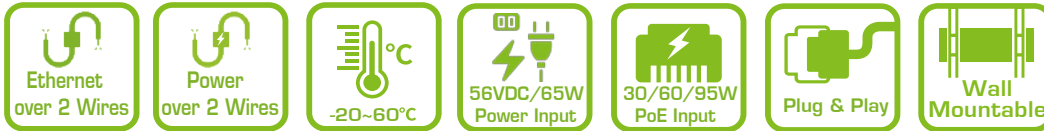
EPo2 RX Adapter

EPo2 PoE RX Adapter



EPo2 series

EPo2 Extender over 2 Wires



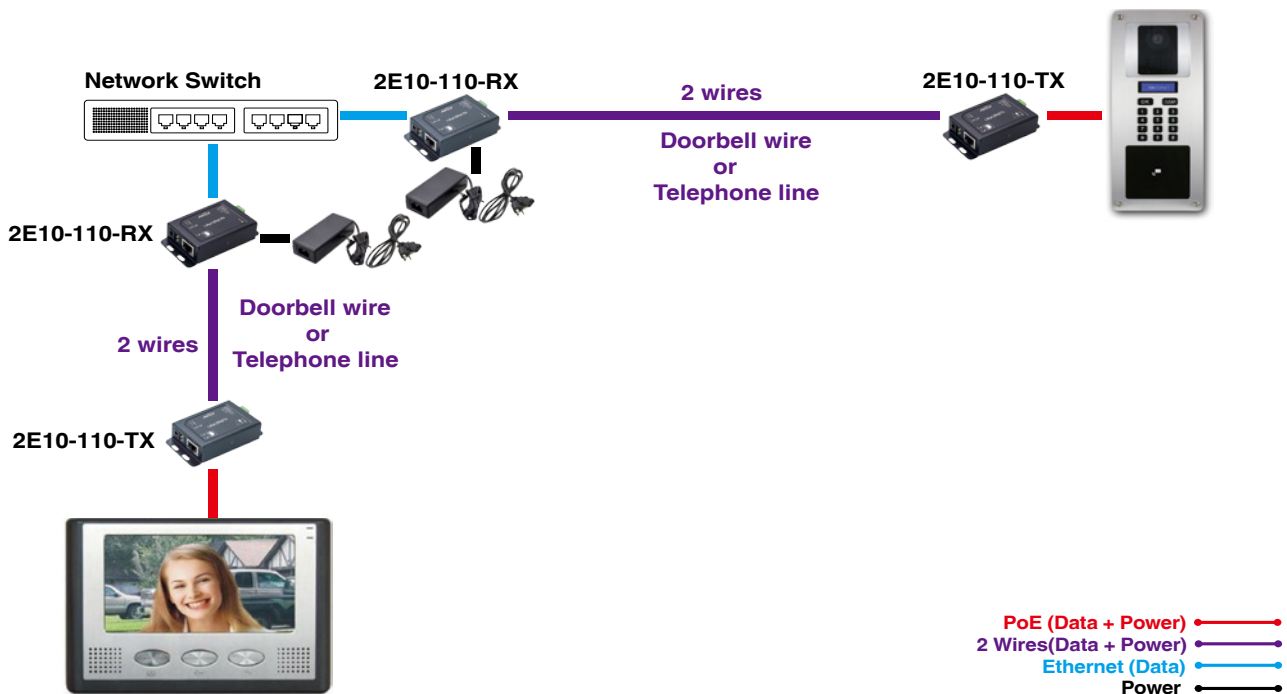
AETEK EPo2(Ethernet & Power over 2 wires) TX/RX adapters deliver IP video(data) & power(PoE) for PoE IP video intercom including video door entry station & indoor screen station over existing doorbell wire, telephone line without retrofitting decorations. You don't have to configure anything, the EPo2 with PoE must be used in pairs that compact EPo2 TX adapter be installed at one end of PoE IP device (PD). And there are 2 models of EPo2 RX installed at local site are available for choice. One is 2E10-110-RX EPo2 RX is supplied through 65W power adapter, and the other one is 2E11-110-RX EPo2 PoE RX is supplied via the 95W/60W/30W per port of PoE PSE like PoE switch & PoE Injector.

Besides working with PoE IP video intercom, EPo2 kit connects a wide range of PoE IP devices such as network camera, VoIP, speaker, and touch screen station over 2 wires into a robust IP backbone with power. Due to allow pass through 60W/95W UPoE or PoE/PoE+ compliant format per port & adopt innovative networking technology, AETEK EPo2 kit extends PoE range & data rates far beyond 100 meters / 100 Mbps Fast Ethernet limits even using 2-wire thin copper.

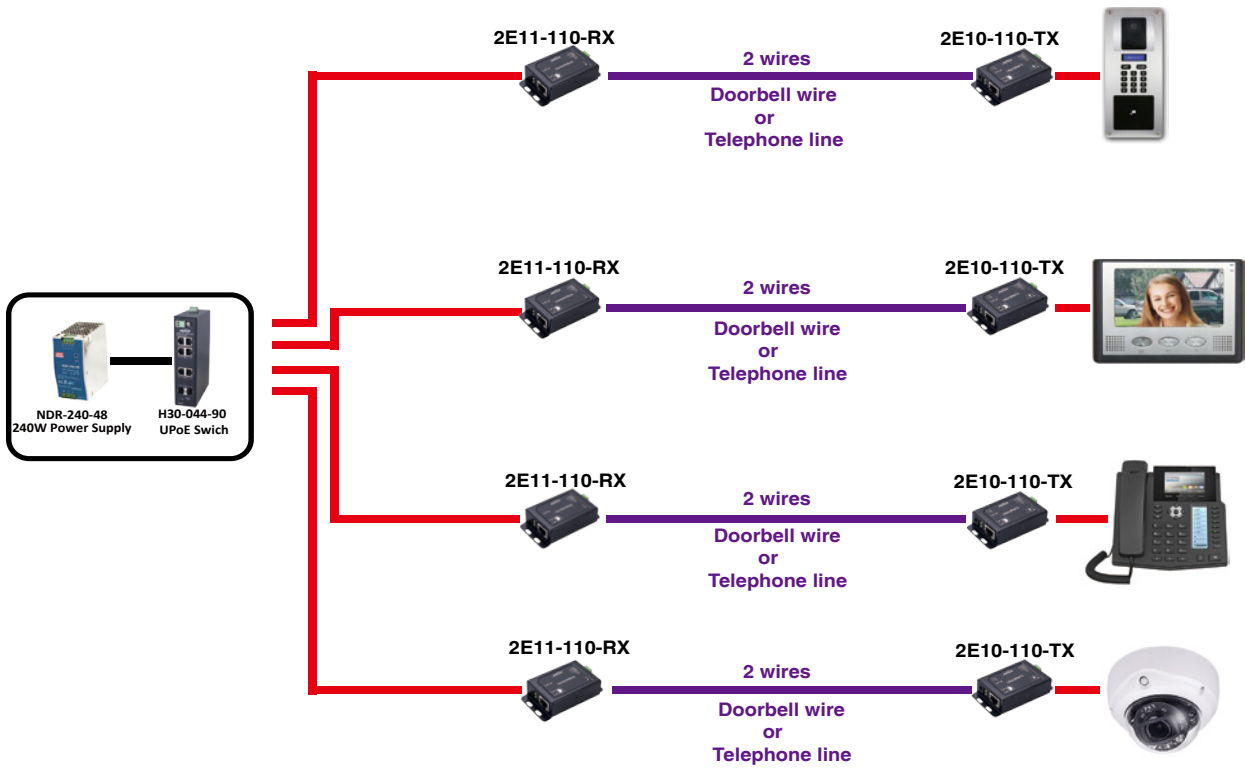
Features

- Uses telephone line, doorbell wire or 1-pair UTP/STP to connect PoE IP devices
- Eliminates extra intermediate PoE switches
- Uses in-wall 2 wires infrastructure
- Plug-and-Play deployments
- Long reach PoE & high speed Ethernet rates beyond Ethernet limits

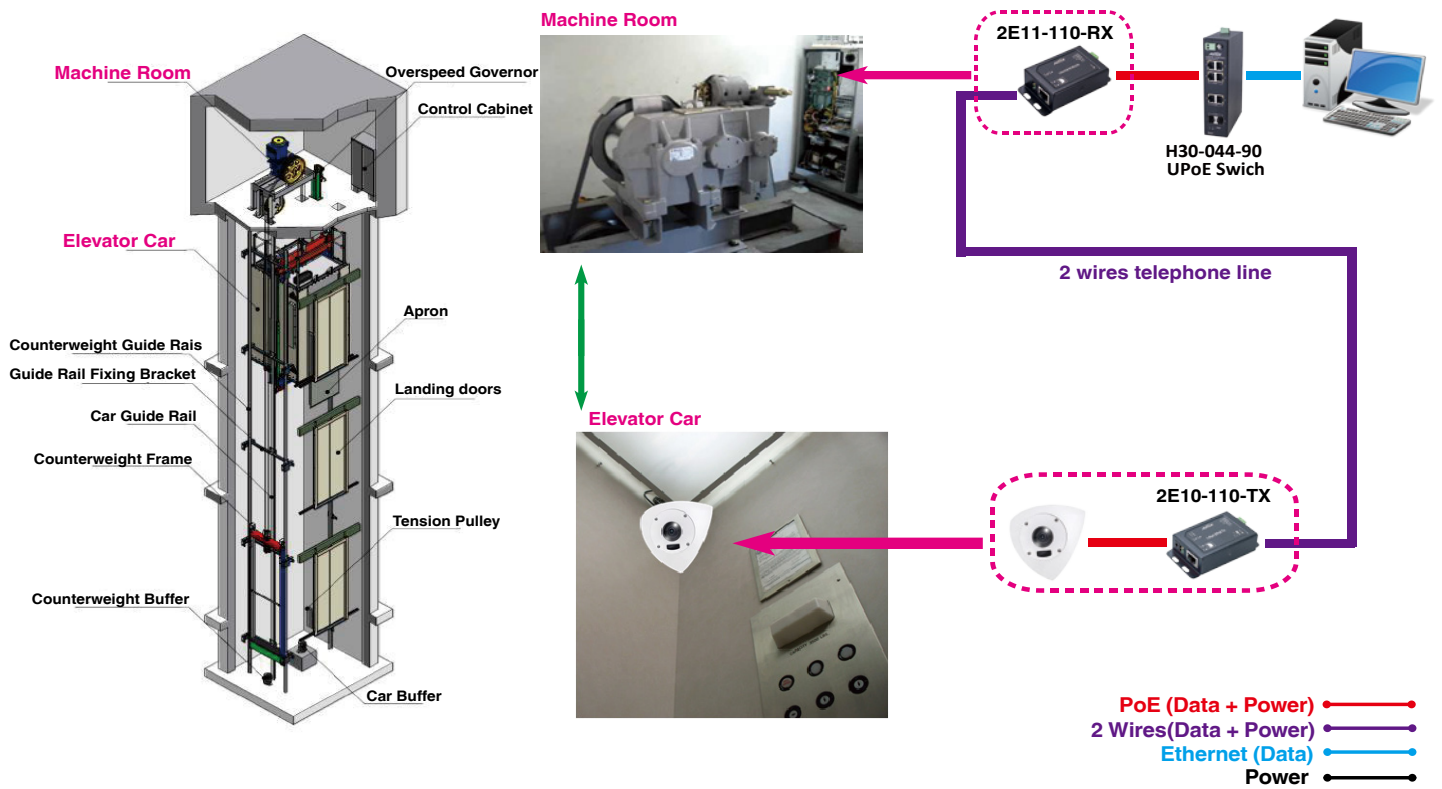
EPo2 Kit Application



EPo2 PoE Kit Application



Application in Elevator



Power / Distance Table

Power / Distance Table			
	100m	200m	400m
0.4mm Cable 26AWG	Watt : 18W	Watt : 8.06W	X
0.5mm Cable 24AWG	Watt : 23.8W	Watt : 12.1W	Watt : 6.1W

*Further distance & power over 2-wire thick copper line such as 0.8mm/20AWG & 0.6mm/22AWG

EPo2 Adapter Specifications



	2E10-110-RX	2E11-110-RX	2E10-110-TX
Interface			
2-pin Terminal Block	1	1	1
10/100Mbps Ethernet RJ45	1	1	1
Transmission mode	RX mode	RX mode	TX mode
Cable Type	Doorbell wire 18/20/22 AWG, Telephone cable 24/26AWG UTP/STP cable: 23/24AWG	Doorbell wire 18/20/22 AWG, Telephone cable 24/26AWG UTP/STP cable: 23/24AWG	Doorbell wire 18/20/22 AWG, Telephone cable 24/26AWG UTP/STP cable: 23/24AWG
Power Specifications			
Power supply	Input: 100-240VAC Output: 65W@56VDC Power Adapter	30W PoE Switch I36-100 : 60W UPoE Injector H30-044-90 : 60W/95W UPoE Switch	Optional: Input: 100-240VAC Output: 65W@56VDC Power Adapter
Unit Power Consumption	3 watts	3 watts	3 watts
PoE PD	-	v	-
PoE Pass Through	v	v	v
Mechanical Specifications			
Dimensions (WxHxD)	85.4 x 47.1 x 23 mm (3.36x1.85x0.91")	85.4 x 47.1 x 23 mm (3.36x1.85x0.91")	85.4 x 47.1 x 23 mm (3.36x1.85x0.91")
Weight	0.2 kg (0.44 lb)	0.26 kg (0.57 lb)	0.2 kg (0.44 lb)
Connectors	2P Terminal Blockx1, RJ45 x1, DC Jack x1	2P Terminal Blockx1, RJ45 x1	2P Terminal Blockx1, RJ45 x1, DC Jack x1
LED	LAN, PWR, LINK	LAN, PWR, LINK, PoE	LAN, PWR, LINK, PoE
Environmental Specifications			
Operating Temperature	-20°C ~ 60°C (-28°F ~ 140°F)	-20°C ~ 60°C (-28°F ~ 140°F)	-20°C ~ 60°C (-28°F ~ 140°F)
Storage Temperature	-20°C ~ 85°C (-28°F ~ 185°F)	-20°C ~ 85°C (-28°F ~ 185°F)	-20°C ~ 85°C (-28°F ~ 185°F)
Operating Humidity	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing
Certifications			
EMC	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick
Safety	EN60950-1	EN60950-1	EN60950-1

Part Number

EPo2 Kit

	2E10-110 kit A <ul style="list-style-type: none"> • 2E10-110-TX EPo2 adapter x1 • 2E10-110-RX EPo2 adapter x1 • 65W@56VDC power adapter x1 		2E11-110 kit A <ul style="list-style-type: none"> • 2E11-110-RX PoE EPo2 adapter x1 • 2E10-110-TX EPo2 adapter x1
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EPo2 RX Adapter

	2E10-110-RX <ul style="list-style-type: none"> • 2E10-110 EPo2 adapter(RX) • 65W@56VDC power adapter 		2E11-110-RX <ul style="list-style-type: none"> • 2E11-110 PoE EPo2 adapter(RX) • Supports 30W/60W/95W PoE Input
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EPo2 TX Adapter

	2E10-110-TX <ul style="list-style-type: none"> • 1-to-1 EPo2 adapter(TX)
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Related Product

Related Product			
	CH-100 <ul style="list-style-type: none">• 19", 1U 4-bay rack mount chassis• Works with 2E10-110-RX & 65W power adapter		I36-100 <ul style="list-style-type: none">• 60W UPoE Injector• works with 2E11-110-RX
	CH-110 <ul style="list-style-type: none">• 19", 1U 8-bay rack mount chassis• Works with 2E11-110-RX		H30-044-90 <ul style="list-style-type: none">• 60W/95W UPoE Switch• works with 2E11-110-RX