E59-201
E59-202



E59-201



E59-202

Indoor 802.3bt PoE++ to 802.3af/at/bt PoE++ Extender



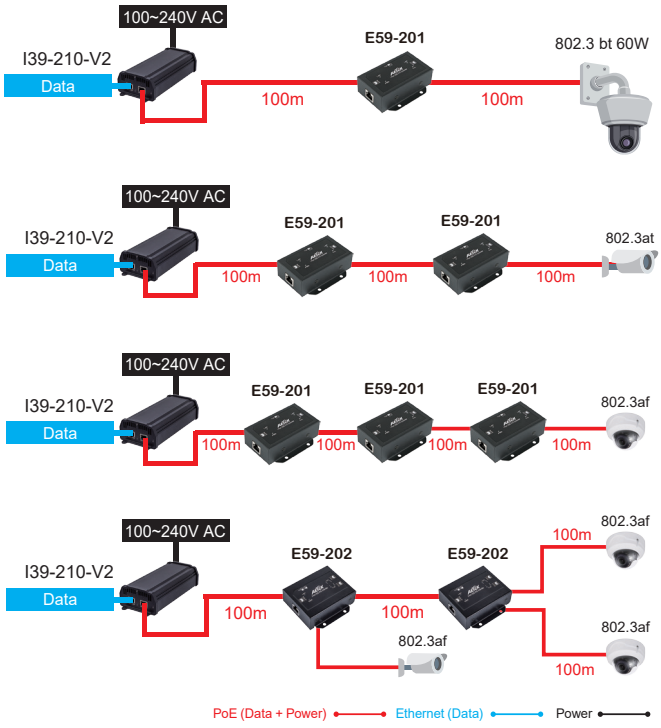
The E59-201 / E59-202, a small form factor, is an ideal for indoor environments where two units of E59-201 / E59-202 can be daisy-chain to prolong range of PoE devices such as PoE cameras, wireless APs reaching up to 300m from end to end or up to 500m by star topology.

No power adapter required, E59-201 / E59-202 PoE extender is powered by PoE injector, middle-span Hub, or PoE switch over one networking cable extending Ethernet range depending on PD's power consumptions and PSE's power budget per port.

Features

- Small form factor with RJ45 connectors
- Input Complies with IEEE 802.3bt PoE++ Type 4 standard PD
- Output 802.3bt PoE++ to 802.3af/at/bt PoE++ Extender
- Backward compatible with IEEE 802.3at PoE+ end-span or mid-span PD
- Supports PoE input power up to 90 watts
- Auto detects powered device (PD)
- Extends the range of PoE to an additional 100 meters (328ft.)
- Forwards both Ethernet data and PoE power to remote device
- Supports 6KV DC Ethernet ESD protection
- -40 to 75 degrees C operating temperature
- No external power cable required for installation
- Plug and Play installation

Applications



Technical Specifications -Hardware

	E59-201	E59-202
Networking Specifications		
Total Gigabit Ethernet Ports	2	3
Mac Table	2 k	2 k
Bandwidth	10/100/1000Mbps	10/100/1000Mbps
Switching Capacity	4 Gbps	6 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported
Power Specifications		
Extension Distance	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 500M Extension
Input PoE PD	1 x 10/100/1000BASE-T Ethernet with 802.3bt PoE++ “Data + DC” in Auto MDI/MDI-X, auto-negotiation RJ45 connector	1 x 10/100/1000BASE-T Ethernet with 802.3bt PoE++ “Data + DC” in Auto MDI/MDI-X, auto-negotiation RJ45 connector
Output PoE PSE	IEEE 802.3bt PoE++ Type 3 PSE IEEE 802.3at PoE+ PSE IEEE 802.3af PoE PSE	IEEE 802.3bt PoE++ Type 3 PSE IEEE 802.3at PoE+ PSE IEEE 802.3af PoE PSE
PD Power Pin Assignment	12(-),36(+),45(+),78(-) or 12(+),36(-),45(+),78(-)	12(-),36(+),45(+),78(-) or 12(+),36(-),45(+),78(-)
PSE Power Pin Assignment	12(-),36(+),45(+),78(-)	12(-),36(+),45(+),78(-)
PD Gigabit Ethernet Ports (RJ45)	1	1
PSE Gigabit Ethernet Ports (RJ45)	1	2
PSE Power On/Off Dip Switch	Support	Support
Surge Protection / each PoE Port	6KV	6KV
Power Consumption	1.2	1.3
Mechanical Specifications		
Dimensions (L x W x H)	90 x 69.4 x 28.5 mm	89 x 86.5 x 28 mm
LED Indicators	Power, LAN, PoE	Power, LAN, PoE
Weight	0.19KG	0.21KG
Environmental Specifications		
Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)	-40°C ~ 65°C (-40°F ~ 149°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	10% to 90% non-condensing	10% to 90% non-condensing
Certifications		
EMC	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick

Ordering Information

PoE Extenders			
	**E59-201** • Indoor 1-Port 802.3bt PoE++ to 1-Port 802.3af/at/bt PoE++ Extender		**E59-202** • Indoor 1-Port 802.3bt PoE++ to 2-Port 802.3af/at/bt PoE++ Extender

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