E59-101
E59-102

Indoor 30/60/90W bt PoE Gigabit Extender



E59-101



E59-102

End-span Mid-span 802.3af 802.3at 802.3bt

Ethernet Surge Protection

30/60/90W PoE

Plug & Play

Wall Mountable

Auto MDI/MDI-X

Full Ports Gigabit

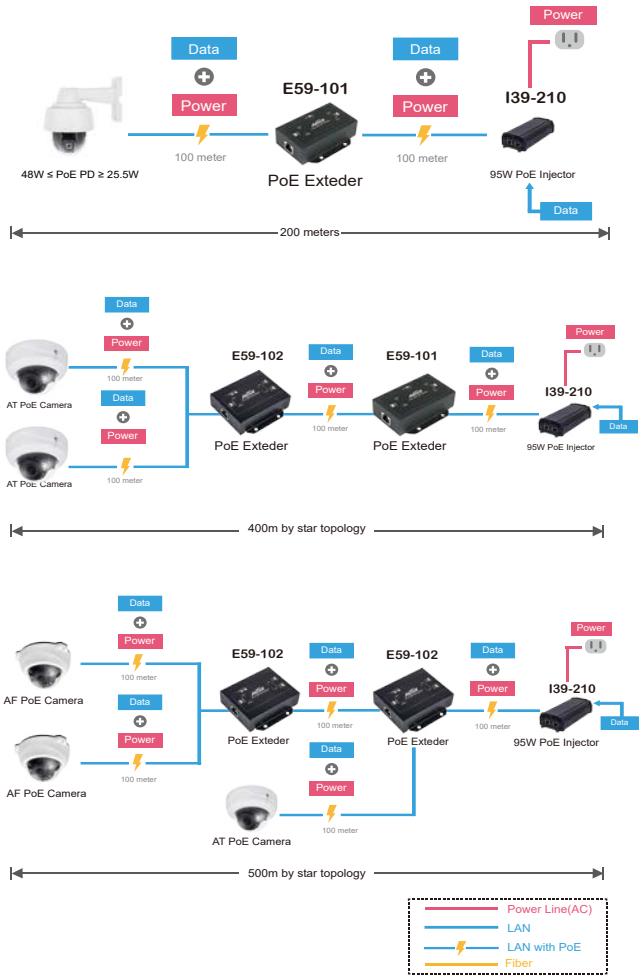
The E59 series, a small form factor, is an ideal for indoor environments where two units of E59 series can be daisy-chain to prolong range of PoE devices such as PoE cameras, wireless APs reaching up to 300m from end to end or up to 500m by star topology.

No power adapter required, E59 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
- Saves costs of re-wiring and add-on Ethernet switches
- Plug-and-Play installation
- Drives the reach beyond restricted 100m Ethernet distance
- Supported PSEs providing 90W/60W/30W PoE
- Daisy-chain 2 units of E59-101 reaching 300m from end to end
- Daisy-chain 2 units of E59-102 reaching 500m by star topology
- Complete unit does not require power
- Extends range up to 200m for speed dome requiring 48W

Applications



Technical Specifications -Hardware

	E59-101	E59-102
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
PD Input Power	50~57VDC , max. 70W	50~57VDC , max. 70W
PSE Output Power	48~55VDC, max. 68W Passive PoE (Compliant IEEE 802.3af PoE)	48~55VDC, max. 68W Passive PoE (Compliant IEEE 802.3af PoE)
PD Power Pin Assignment	1~8 Pin	1~8 Pin
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	12KV	12KV
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

Power Budget / Distance Table

power source	Power Budget			
injector/Switch	**E59-101, 200m**	**E59-102, 200m**	**E59-101, 300m**	**E59-102, 300m**
15W	11.1W	2 port <= 11.1W	8.7W	2 port <= 8.7W
30W	21.4W	2 port <= 21.4W	20W	2 port <= 20W
60W	46.9W	2 port <= 46.9W	37.1W	2 port <= 37.1W
95W	66.4W	2 port <= 66.4W	37.1W	2 port <= 37.1W

Ordering Information

PoE Extenders



E59-101

- Indoor 1-Port PoE GbE Extender



E59-102

- Indoor 2-Port PoE GbE Extender

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