

PoE Adapter Series

Enterprise-Grade Single-Port PoE Adapter

The EnGenius Single-Port Power-over-Ethernet (PoE) Adapter delivers a reliable, scalable solution for powering PoE devices. Designed to simplify network deployment, this adapter reduces installation costs and maintenance efforts, making it an ideal choice for professional installers.

By combining power and data transmission over a single Ethernet cable, the adapter overcomes power source limitations, allowing seamless deployment of PoE-enabled devices such as access points and IP cameras. This ensures optimal placement for superior network performance and wireless coverage without the need for additional power outlets.

Built with advanced safety features, including short-circuit and over-load protection, the EPA series ensures stable and secure operation for high-power PoE devices like wireless LAN access points, IP media hubs, and surveillance cameras. The direct current (DC) output supports devices requiring higher power, enabling flexible and efficient network designs.

Features & Benefits

- **Extended Range:** Power devices up to 100 meters (328 feet) away using a single Ethernet cable.
- **Cost Efficiency:** Minimize installation and maintenance costs by simplifying cabling requirements.
- **High Power Output:** Supports up to 90W power delivery over CAT5 or CAT5e Ethernet cables using four pairs.
- **Standards Compliance:** Compatible with 802.3AF/AT/BT PoE standards and proprietary pass-through mode for various power needs.
- **Flexible Installation:** Offers both Mode A (end-span) and Mode B (mid-span) for effortless plug-and-play setup.



EPA2406GP/GR
EPA2410GP
EPA5006GP/GR/GAT/HAT
EPA5012GP
EPA5060GBT/HBT/XBT
EPA5090GBT/HBT/XBT

Technical Specifications

Power-over-Ethernet Adapter			
Model Number	EPA2406GP	EPA2406GR	EPA2410GP
Power Specification			
Input Voltage	100V~240V AC		
Input Current	0.4A @ 120V AC 0.24A @ 240V AC		0.7A @ 120V AC 0.35A @ 240V AC
AC Input Frequency	50-60Hz		
Max. Output Power	14.4W		24W
Power Line	Pin4(Vdc+)&Pin5(Vdc+) Pin7(Vdc-)&Pin8(Vdc-)		
Data Specifications			
Ethernet Ports Speed	10/100/1000 Mbit/s		
Data Lines	Pin1(Rx+)&Pin2(Rx-) Pin3(Tx+)&Pin6(Tx-)		
Protection Level			
Surge Protection	L-L: 1KV; L-G: 2KV		
ESD	Contact 4KV; Air: 8KV		
Other Protection	Over-voltage and over-current protection Short-circuit protection		
Physical Interfaces & Indicators			
Ethernet Ports	1 x 10/100/1000 Mbit/s Data input 1 x 10/100/1000 Mbit/s Data & power output		
AC Connector	1 x IEC 320 C6 AC connector (US, EU, UK, AU)		
LED Indicator	Power on : Green		
Dimensions & Weight			
Weight(Adapter Only)	112g (3.95oz)		144g (5.08 oz)
Dimensions	100mm x 58.4 mm x 33.4 mm (3.9" x 2.27" x 1.3")		
Temperatures	Operation : 0 ~ 40°C (32 ~ 104 °F) Storage : -20 ~ 70°C (-4 ~ 158 °F)		
Compliance & Warranty			
CB	IEC 62328-1: 2014		
UL	UL 62328-1		
FCC	FCC Subpart15 B		
CE	100mm x 58.4 mm x 33.4 mm (3.9" x 2.27" x 1.3")		
Compliance & Warranty			
Compliant AP List	ENS500-AC/ ENS500EXT-AC/ EnStation5-AC/ ENS202(EXT)/ ENSS500(EXT)/ ENH200(EXT)/ ENH202(v2)/ ENH500(v2)/ EnStation5	ENS500-AC(EXT)(v2)/ EnStation5-AC(v2)/ ENH500(v3)	ENS620EXT

Technical Specifications

Power-over-Ethernet Adapter				
Model Number	EPA5006GP	EPA5006GR	EPA5006GAT	EPA5006HAT
Power Specification				
Input Voltage	100V~240V AC			
Input Current	0.8A @ 120V AC 0.4A @ 240V AC			
AC Input Frequency	50-60Hz			
Max. Output Power	32.8W		30W	
Power Line	Pin4(Vdc+)&Pin5(Vdc+) Pin7(Vdc-)&Pin8(Vdc-)			
Data Specifications				
Ethernet Ports Speed	Proprietary		IEEE 802.3 AF/AT	
Data Lines	Pin1(Rx+)&Pin2(Rx-) Pin3(Tx+)&Pin6(Tx-)			
Protection Level				
Surge Protection	L-L: 1KV; L-G: 2KV			
ESD	Contact 4KV; Air: 8KV			
Other Protection	Over-voltage and over-current protection Short-circuit protection			
Physical Interfaces & Indicators				
Ethernet Ports	1 x 10/100/1000 Mbit/s Data input 1 x 10/100/1000 Mbit/s Data & power output			1 x 10/100/1000/2500 Mbit/s Data input 1 x 10/100/1000/2500 Mbit/s Data & power output
AC Connector	1 x IEC 320 C6 AC connector (US, EU, UK, AU)			
LED Indicator	Power on : Green			
Dimensions & Weight				
Weight(Adapter Only)	144g (5.08 oz)		154g (5.44 oz)	
Dimensions	100mm x 58.4 mm x 33.4 mm (3.9" x 2.27" x 1.3")			
Temperatures	Operation : 0 ~ 40°C (32 ~ 104 °F) Storage : -20 ~ 70°C (-4 ~ 158 °F)			
Compliance & Warranty				
CB	IEC 62328-1: 2014			
UL	UL 62328-1			
FCC	FCC Subpart15 B			
CE	EN 55032:2012/AC:2013, EN 55024: 2010			
Compliance & Warranty				
Compliant AP List	ECW120/ ECW115/ ECW220(S)/ ECW230(S)/ ECW336/ ECW215/ EWS357-FIT/ EWS377-FIT/ ECW130/ ECW356-FIT/ EWS276-FIT/ ECW212L/ ECW210L/ ECW516L	ENH1350EXT/ ENStationAC(v2)/ EWS850AP-FIT/ ECW160/ ECW260/ ENH500-AX/ EnStation6/ ENS621EXT/ EWS850/ EOC600/ EOC610	ECW130/ ECW120/ ECW115/ ECW336/ ECW215/ ECW220(S)/ ECW230(S)/ EWS357-FIT/ EWS377-FIT ECW356-FIT/ EWS276-FIT ECW212L/ ECW210L/ ECW516L	-

Technical Specifications

Power-over-Ethernet Adapter				
Model Number	EPA5012GP	EPA5060GBT	EPA5060HBT	EPA5060XBT
Power Specification				
Input Voltage	100V~240V AC			
Input Current	1.12A @ 120V AC 0.75A @ 240V AC			
AC Input Frequency	50-60Hz			
Max. Output Power	60W			
Power Line	Pin 3,4,5,6 (+) Pin 1,2,7,8 (-)			
Data Specifications				
Ethernet Ports Speed	Proprietary	IEEE 802.3 AF/AT/BT		
Data Lines	Pin1(Rx+)&Pin2(Rx-) Pin3(Tx+)&Pin6(Tx-)	Pin 3,4,5,6 (+) Pin1,2,7,8 (-)		
Protection Level				
Surge Protection	L-L: 1KV; L-G: 2KV	L-L: 2KV; L-G: 4KV		L-L: 1KV; L-G: 2KV
ESD	Contact 4KV; Air: 8KV			
Other Protection	Over-voltage and over-current protection Short-circuit protection			
Physical Interfaces & Indicators				
Ethernet Ports	1 x 10/100/1000 Mbit/s Data input 1 x 10/100/1000 Mbit/s Data & power output		1 x 1G/2.5G bit/s Data input 1 x 1G/2.5G bit/s Data & power output	1 x 1G/2.5G/10G bit/s Data input 1 x 1G/2.5G/10G bit/s Data & power output
AC Connector	1 x IEC 320 C6 AC connector (US, EU, UK, AU)			
LED Indicator	Power on : Green			Power on : Orange:bt (4 pair) Red:af/at- (2 pair) Green:af/at (2pair)
Dimensions & Weight				
Weight(Adapter Only)	186g(6.56oz)	190g(6.7oz)		
Dimensions	100mm x 58.4 mm x 33.4 mm (3.9" x 2.27" x 1.3")			
Temperatures	Operation : 0 ~ 40°C (32 ~ 104 °F) Storage : -20 ~ 70°C (-4 ~ 158 °F)			
Compliance & Warranty				
CB	IEC 62328-1: 2014			
UL	UL 62328-1			
FCC	FCC Subpart15 B			
CE	EN 55032:2012/AC:2013, EN 55024: 2010			EN55035+EN55032
Compliance & Warranty				
Compliant AP List	EWS860AP/ EWS870AP EWS871AP/ ENH1750EXT	-	ECW270	ECW526/ ECW536

Technical Specifications

Power-over-Ethernet Adapter			
Model Number	EPA5090GBT	EPA5090HBT	EPA5090XBT
Power Specification			
Input Voltage	100V~240V AC		
Input Current	0.95A @ 120V AC 0.5A @ 240V AC		
AC Input Frequency	50-60Hz		
Max. Output Power	90W		
Power Line	Pin 3,4,5,6 (+) Pin 1,2,7,8 (-)		
Data Specifications			
Ethernet Ports Speed	IEEE 802.3 AF/AT/BT		
Data Lines	Pin 3,4,5,6 (+) Pin 1,2,7,8 (-)		
Protection Level			
Surge Protection	L-L: 3KV; L-G: 4KV		
ESD	Contact 4KV; Air: 8KV		
Other Protection	Over-voltage and over-current protection Short-circuit protection		
Physical Interfaces & Indicators			
Ethernet Ports	1 x 10/100/1000 Mbit/s Data input	1 x 1G/2.5G bit/s Data input 1 x 1G/2.5G bit/s Data & power output	1 x 1G/2.5G/10G bit/s Data input 1 x 1G/2.5G/10G bit/s Data & power output
AC Connector	1 x IEC 320 C6 AC connector (US, EU, UK, AU)		
LED Indicator	Power on : Green		
Dimensions & Weight			
Weight(Adapter Only)	353g(12.45oz)		
Dimensions	150mm x 65 mm x 34 mm (5.9" x 2.56" x 1.34")		
Temperatures	Operation : 0 ~ 40°C (32 ~ 104 °F) Storage : -20 ~ 70°C (-4 ~ 158 °F)		
Compliance & Warranty			
CB	IEC 62328-1: 2014 IEC61000-4-5 IEC60950		
UL	UL 62328-1		
FCC	FCC Subpart15 B		
CE	EN 55032:2012/AC:2013, EN 55024: 2010		

Physical Interfaces

PoE Adapters (14.4W-60W)

LED Indicators



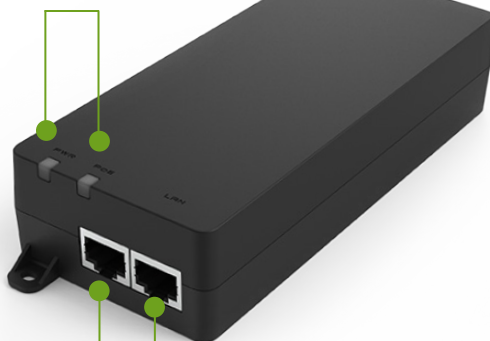
PoE LAN



AC Connector

PoE Adapters (90W)

LED Indicators



PoE LAN



AC Connector

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EnGenius®