EnGenius® | DATASHEET

802.3af Gigabit PoE Injector		EPE-5818Gaf
IEEE802.3af	1000Mbps	Gigabit Ethernet

EPE-5818Gaf is a single-port power injector for Power-over-Ethernet (PoE) applications for use with gigabit systems. Unlike existing power injectors, the EPE-5818Gaf is not limited to working only on 10baseT or 100baseT systems, but is compatible with systems up to 1000 Mbps. It can easily extend the wired connection distance through the Ethernet cable which avoids the long power line which might bring dangerous and incident. EPE-5818Gaf offers power supply up to 48V/375mA with Ethernet cable. 4 Pairs are with data transmission; pin # 4,5 and 7,8 with power enabled to device via center tap (**center tap** is a connection made to a point half way along a winding of a Transformer).

The EPE-5818Gaf PoE generates safe power over category 6e. By sending 48V, Ethernet terminals which need more power such as wireless LAN high power device, IP media center, and web camera are powered remotely.

It is especially design for outdoor networking facility and low port density installations.
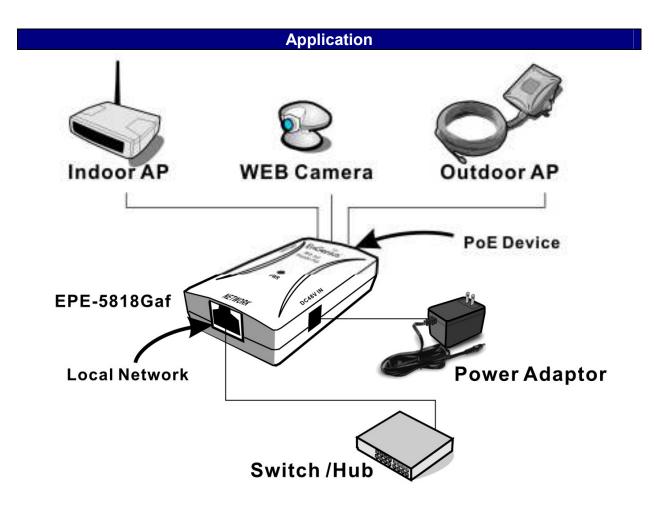
Package Content
- ➢ 1* 802.3af Gigabit PoE Injector (EPE-5818Gaf)
- ➢ 1* 48V/0.375A Power Adapter
- ➢ 1*QIG

Features and Specification

Standards	IEEE802.3 10Base-T, IEEE802.3u 100Base-T, IEEE802.3ab Gigabit Ethernet
Protocol	CSMA/CD
Ports	1 x Data-in, 1 x PoE Out, 1 x DC Jack
Data Lines	Pair1 : Pin1&2, Pair2 : Pin3&6, Pair3 : 4&5, Pair4 : 7&8
Power	Input : AC100-240V, 50-60Hz Output : 48V, 375mA Pair3 : 4&5, Pair4 : 7&8
Diagnostic LEDs	Power : Green
Power Consumption	12.95W
Reliability	25000 hours

Environment & Mechanical

Temperature Range	Operating 0°C~60°C Storage -10°C to 70°C
Humidity (non-condensing)	5%～95% typical
Dimensions	82mm (L) x 46mm (W) x 21mm (H)
Weight	180g

Application

V1.1