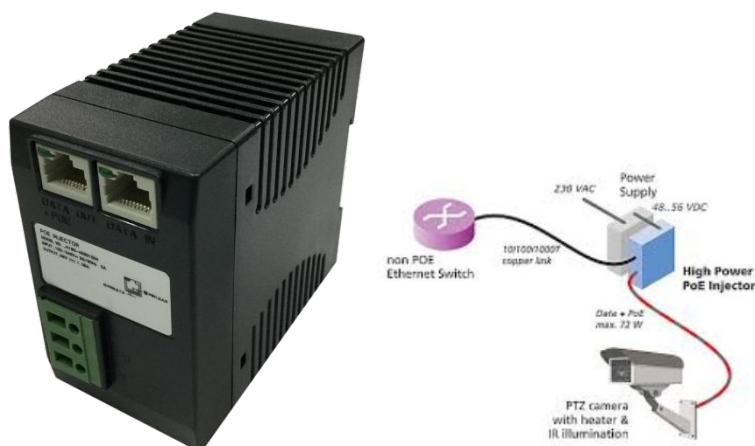# Ultra PoE Gigabit Injector
DI100GE-AC-6KV-UL with 60w power module built-in

Product Overview

This is a Power over Ethernet (PoE) gigabit Injector that not only delivers a cost-effective solution for power distribution, but also provides a seamless way of deploying Powered Devices (PDs) on existing LAN infrastructure.

With the use of power injectors, it is equipped with 6KV PoE Lightning Surge Protection and generating up to 60W for PD device remotely such as wireless Access Points, pan-tilt-zoom (PTZ) IP camera, 4G/5G LTE and video-phone. It complies 4PPoE and IEEE802.3at/af standards with 56VDC power output. It can work with10/100/1000Base-T networking devices such as IP Cam and IP phone, etc.

Specification

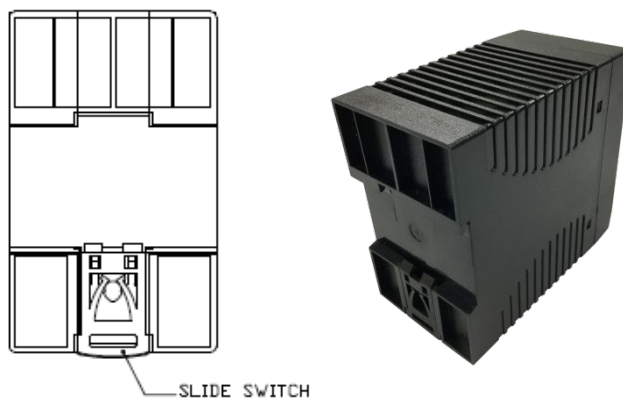| Specifications	
No. of PoE PSE Port	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	
Pin Assignment and Polarity	Mode A Pin 1/2/4/5(+), 3/6/7/8(-)
Output Power Voltage	56VDC, 1.08A Maximal
User Port Power	60W Max.
Input Power AC Input Voltage	100 ~240 VAC
Requirements AC Input Current	2A @100-240 VAC
AC Frequency	50 to 60Hz, 2A
Dimension of Injector	90(H) x 55(W) x 100(L)mm
Weight of Injector	335g

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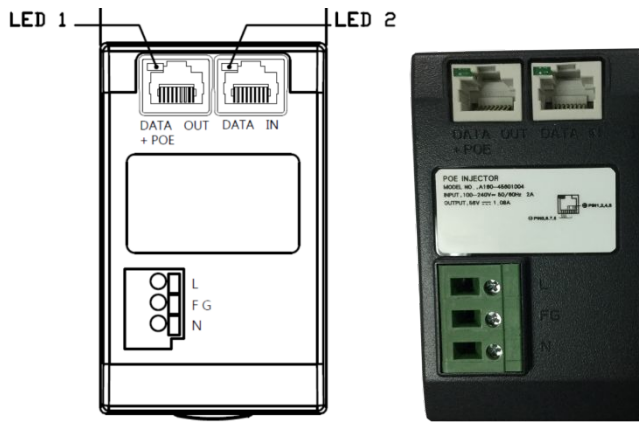| LED Indicators	DATA OUT+POE(Green), DATA IN(Green)
Connectors	RJ-45 x1
Environmental Conditions	
Operating Temperature	-40 ~ +75℃
MTBF	≧5 years, normal AC input with full load at 25℃
Regulatory	FCC part 15, Class B, EN55032 Class B,
Electrostatic Discharge(ESD)	4KV air/8KV contact discharge, EN61000-4-2/-3/-4/-6/-8/-11
PoE Lightning Surge Protection	6KV, EN61000-4-5
Safety Approvals	UL/cUL, IEC/EN 62368, CB
Hazardous Substances	Lead-free process, EU Directive 2011/65/EU "RoHS II", 2012/19/EU "WEEE", REACH compliant

Product Features

- CE/FCC, UL/cUL, CB certified
- 6KV PoE Lightning Surge Protection
- Up to 60W of PoE Power Feeding on 4-pairs 4PPoE and IEEE802.3at/af PoE standard with PD Detection via PoE pin1,2,4,5(+) & 3,6,7,8(-)
- Over Voltage (62V max.) Protection, Over Current (2.3A max.) and Short Protection
- Safe and Reliable Power to WLAN Access Points, 4G/5G LTE, IP Cam
- Supports 10/100/1000Base-T LAN environment
- Din-rail plastic housing design to well fix the installation
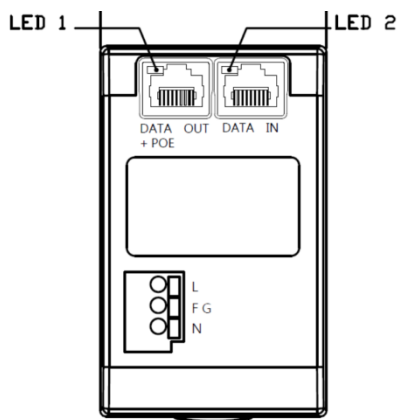- Working temperature range for whole device at -40~75℃

Setting Up Power Injector

1. Hang the product on the rail track, push the slide switch up.

SLIDE SWITCH

2. Connect the AC wire to L(Line) / FG(Ground) / N(Neutral).

3. Using CAT5e or higher cable(Not included in the package), connect the RJ-45 port on the injector printed "DATA IN" to your network switch. Connect the RJ-45 port printed "DATA OUT + POE" on the injector over Ethernet cable to the power device.

4. The LEDs will light to diagnose the connection.

   Green LED 1: DC Power "ON".

   Green LED 2: Valid load detected and connected.

   LED1 no lit: DC Power Fault detected.

   LED2 no lit: Connection Fault detected.