PI300
PoE Injector

FAXCONT

Overview

PI300 is a high power, PSE Power Injector for use in Power over Ethernet systems. With Ethernet Input (data only) port and Output (data + power) port, PI300 may deliver up to 50 Watts over existing LAN cable to power up PoE PD devices for power hungry PoE applications such as Wireless APs, Security cameras and IP Phones. The internal current limit, short-circuit and overload protection are implemented to provide up to 50W of PSE output power.

PI300 can work in pair with P3040&P3050, a PoE splitter, to extend Ethernet connectivity another 100m with power over Ethernet capability for high power PD devices, such as 20W Pan-Tilt-Zoom IP Camera and 30W fan & heater & IR Lamps. It forwards both Ethernet and PoE for another 330ft (100m) using an innovative power-processing scheme and multiple units can be deployed in series for even longer distances, with no degradation in network speed or latency.

Advantages

- Max 50Watt High Power PSE Power Injector
- Forwards Power over Ethernet (PoE) to remote devices
- DC INPUT: 24VDC
- Ethernet 100Mbps Wire Speed
- Simple to install – Plug & Play

Technical Specifications

LAN Interface:
- IEEE 802.3x, Auto-Detection for 10/100BaseT and full/half duplex
- Standard Straight-through, or Cross-over CAT 5 cable
- Automatic MDIX function
- RJ-45 Connector x 2

POWER:
- INPUT: 24VDC
- OUTPUT: 56VDC at full load
- PoE Power: 50 Watt Maximum

LED Indicators:
- POWER: Power is ON
- LAN OUT: Data Activity of LAN OUT Port
- LAN IN: Data Activity of LAN IN Port
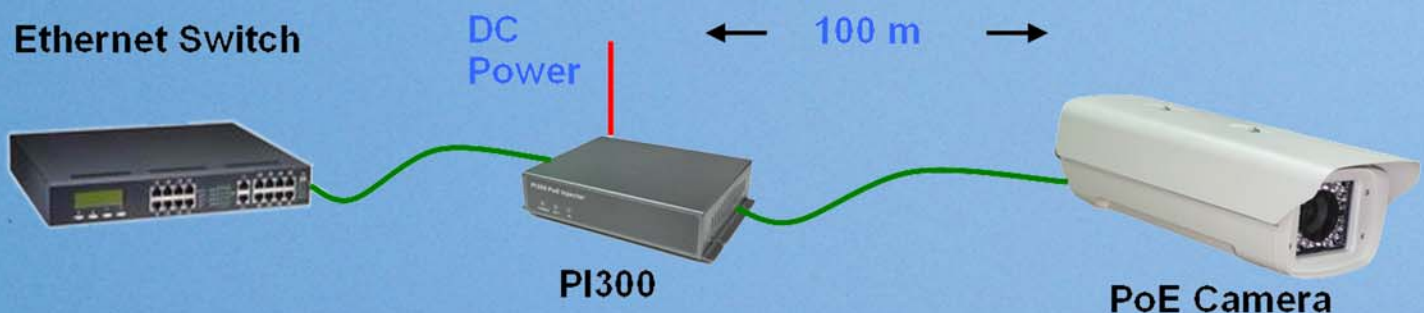
Regulations & Approvals:
- FCC Rules Part 15 Class A
- CE

Physical Dimension:
WxDxH: 120 x 90 x 28 (mm)

Operating Environment:
- Humidity: 5% to 90% non-condensing
- Temperature: 0 ~ 50 degree C

Application Diagram

RJ-45 CONNECTOR & PINOUT

	RJ-45 Output (Data & Power)		RJ-45 Input (Data Only)	
Pin	Symbol	Description	Symbol	Description
1	Rx+	Data Receive	Rx+	Data Receive
2	Rx-	Data Receive	Rx-	Data Receive
3	Tx+	DataTransmit	Tx+	Data Transmit
4	-Vdc_return(+)	Feeding power(+)	NC	Not Connected
5	-Vdc_return(+)	Feeding power(+)	NC	Not Connected
6	Tx-	DataTransmit	Tx-	Data Transmit
7	-Vdc	Feeding power(-)	NC	Not Connected
8	-Vdc	Feeding power(-)	NC	Not Connected