

# PI300

## 60W High Power PSE Injector



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 60 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 60W of PSE output power.

PI300 can work in pair with PR100, a PoE Repeater, to extend Ethernet connectivity another 100m with power over Ethernet capability for high power PD devices, such as 45W Speed Dome Network Camera. 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. PR100 itself is powered by PI300 and so requires no separate power connection in the middle of the cable, making it extremely easy to connect and power IP cameras two or three times further than previously possible without going to fiber or installing external power sources.

## Advantages:

- Max 60Watt 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: 60 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:

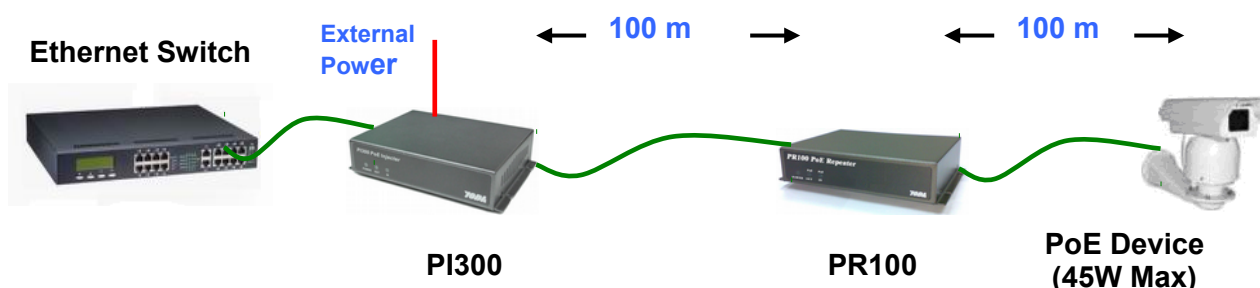
WxDxH: 120 x 90 x 28 (mm)

### Operating Environment:

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

## Application Diagram:

### PI300 PoE Injector & PR100 PoE Repeater



### RJ-45 CONNECTOR & PINOUT

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

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