

# PI300-24

## High Power PSE Injector with 48VDC Power Backup



PI300-24 is a high power, PSE Power Injector with 48VDC power backup, for use in Power over Ethernet systems. With Ethernet Input (data only) port and Output (data + power) port, PI300-24 may deliver up to 48Watts (24VDC/2A) 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 48W of PSE output power.

### Advantages:

- Max 48Watt High Power PSE Power Injector
- Forwards Power over Ethernet (PoE) to remote devices
- DC OUTPUT: 24VDC/2A
- 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 1:

- INPUT: 24VDC/2A from external power adaptor with 100~240VAC input

#### POWER 2:

- INPUT: -48VDC  $\pm$  10%

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LED Indicators:

- **POWER 1** Power 1 is ON (in use)
- **POWER 2** Power 2 is ON (in use)

Regulations & Approvals:

- FCC Rules Part 15 Class A, CE, RoHS

Physical Dimension:

WxDxH: 120 x 90 x 28 (mm)

Operating Environment:

- Humidity: 5% to 90% non-condensing
- Temperature: 0 ~40 degree C

**Application Diagram:**



**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	-24Vdc_return(+)	Feeding power(+)	NC	Not Connected
5	-24Vdc_return(+)	Feeding power(+)	NC	Not Connected
6	Tx-	Data Transmit	Tx-	Data Transmit
7	-24Vdc	Feeding power(-)	NC	Not Connected
8	-24Vdc	Feeding power(-)	NC	Not Connected

