

PS300A

High Power PoE AC Splitter



PS300A is a high power PoE Splitter for use in Power over Ethernet systems. With Ethernet Input (data + power) port and Output (data only) port, PS300A may split power from existing LAN cable and convert up to maximum 24VAC/2A for power hungry applications such as Security cameras. The internal current limit, short-circuit and overload protection are implemented to provide up to 24VAC/2A for use of AC output power.

PS300A can work in pair with PI300, a high power PoE Injector, to deliver up to 24VAC/2A for use of high power devices. PS300A 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.

Advantages:

- 24VAC/2A High Power PoE Power Splitter
- Split Power Over Ethernet (PoE) to remote devices
- AC OUTPUT: 24VAC/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:

- OUTPUT: 24VAC/2A at full load

LED Indicators:

- **POWER:** Power is ON

Regulations & Approvals:

- FCC Rules Part 15 Class A
- CE

Physical Dimension:

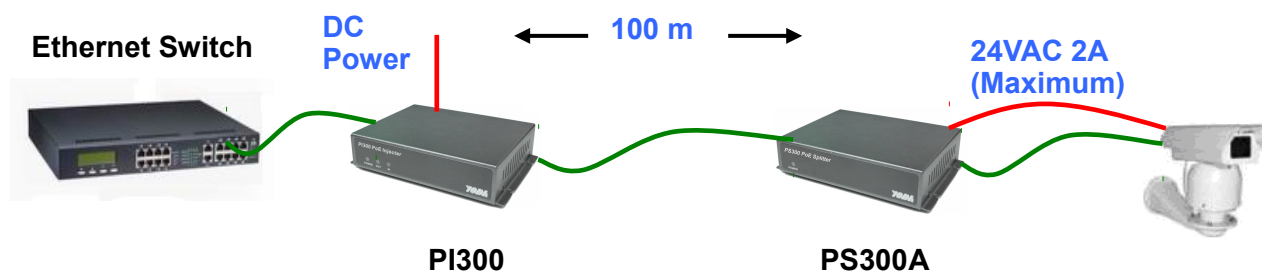
WxDxH: 120 x 90 x 28 (mm)

Operating Environment:

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

Application Diagram:

PI300 PoE Injector & PS300A PoE Splitter



RJ-45 CONNECTOR & PINOUT

RJ-45 Input (Data + Power)			RJ-45 Output (Data Only)	
Pin	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