

# **Hardened 10/100/1000/2500Mbps 1-Port PoE Injector Hub With 100V~240VAC Power Input**

## **DA100Q**



### **Introductions**

DA100Q is a hardened Power Over Ethernet (PoE) PSE Injector Hub that offers a cost-effective and quick solution for upgrading network system to IEEE 802.3af/at/bt Power over Ethernet system with AC input power of 100V~240VAC.

DA100Q features IEEE 802.3af/at/bt PoE standards that delivers up to 90-watt power output with AC input power of 100VAC~240VAC. Meanwhile, it provides triple protections of over-current, over-voltage, and over-temperature on the PoE port.

DA100Q supports 10/100/1000/2500Mbps Ethernet data rate, and is designed specifically to satisfy the growing demand of high-power networking application such as video surveillance, wireless Access Point, and 5G/LTE Router which are located outdoor in harsh environments.

### **Features**

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE802.3ab 1000BASE-T, IEEE802.3bz 2.5GBase-T



- Compliant with IEEE802.3af/at/bt Standards
- Support power injection over Ethernet
- Supports IEEE802.3af/at PoE output power up to 30 watts
- Supports IEEE802.3bt PoE output power up to 60/90 watts
- PoE Surge Protection: 6KV
- ESD protection: 15KV air / 8KV contact discharge
- Auto-detection and protection of non-standard PoE devices
- Over Current Protection / Over Temperature Protection / Over Voltage Protection
- Metal housing with DIN Rail and desktop / rackmount design

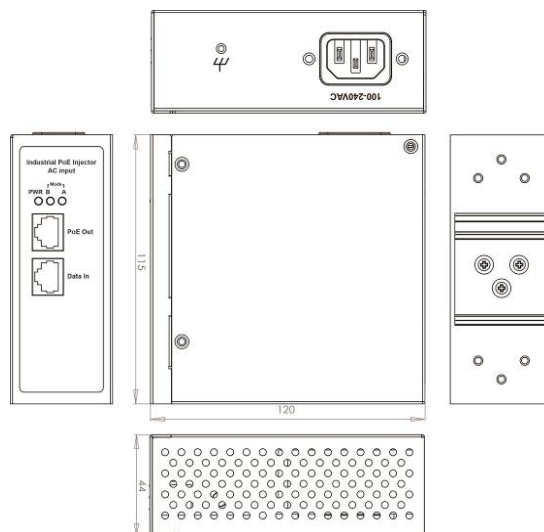
## Specifications

Model	DA100Q
Ethernet Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3bz 2.5GBase-T
Transfer Data Rate	10/100/1000/2500Mbps
Power Input	IEC320 3-Pin AC Socket 100VAC~240VAC, 50Hz~60Hz
DATA IN Port	1 x 10/100/1000/2.5GBASE-T RJ45
DATA+PoE OUT Port	1 x 10/100/1000/2.5GBASE-T RJ45
PoE Output Standards	IEEE802.3af/at for 30W, IEEE802.3bt for 60/90W
RJ45 PoE Pin Polarity	1/2(-), 3/6(+); 4/5(+), 7/8(-)
PoE Compatibility	Auto-Detection / Compatible with Legacy PoE devices with Protection of non-standard PoE devices
PoE Protections	Over Current Protection, Over Voltage Protection Over Temperature Protection
LEDs	Power indicator PoE Mode A: Pin 1,2(-) and Pin 3,6(+) PoE Mode B: Pin 4,5(+) and Pin 7,8(-)
PoE Surge Protection	6KV
ESD Protection	15KV air / 8KV contact discharge
Operating Temperature	-40°C ~ +70°C
Storage Temperature	-40°C ~ +75°C
Relative Humidity	20%~90% Non-condensing
Certifications	EN61000-4-2 /-3 /-4 /-6 /-8 /-11 /-4-5



	IEC/EN62368
Dimensions (W x H xD)	44mm * 115mm * 120mm
Metal Housing	With DIN Rail and Desktop / Rack Mount design
Weight	0.55 kg

## Mechanical 3D Drawings



## Application Diagram

