

INTRODUCTIONS

DH100GB-1248 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 input voltage of 12V~48VDC.

DH100GB-1248 features IEEE 802.3af PoE standards that delivers up to 15-watt power output with 12VDC input, and up to 45-watt for IEEE 802.3bt PoE standards with 36VDC input. Meanwhile, it provides triple protections of over-current, over-voltage, and over-temperature on the PoE port.

DH100GB-1248 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
- Complies with IEEE802.3af/at/bt Standards
- Support power injection over Ethernet
- Supports IEEE802.3af PoE output power up to 15 watts with 12VDC input
- Supports IEEE802.3at PoE output power up to 30 watts with 24VDC input
- 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

HARDWARE SPECIFICATIONS

- Standard
 - IEEE 802.3 10Base-T
 - IEEE 802.3u 100Base-TX
 - IEEE 802.3ab 1000Base-T
 - IEEE 802.3af Power over Ethernet
 - IEEE 802.3at Power over Ethernet Plus
 - IEEE 802.3bt Power over Ethernet Plus Plus
- DATA IN Port
 - 1x 10/100/1000BASE-T RJ45
- DATA + PoE Output Port
 - 1x 10/100/1000BASE-T RJ45

POWER OVER ETHERNET

- PoE Standard
 - IEEE 802.3af Power over Ethernet
 - IEEE 802.3at Power over Ethernet Plus
 - IEEE 802.3bt Power over Ethernet Plus Plus
- PoE Power Supply Type
 - End-span + Mid-span
- PoE Power Output
 - 15 watts Max. for 12VDC input
 - 30 watts Max. for 24VDC input
 - 45 watts Max. for 36VDC input
- Power Pin Assignment
 - 1/2(-), 3/6(+), 4/5 (+), 7/8 (-)
- Power Inputs
 - 4-Pin Terminal Block, DC-Jack

LED INDICATORS

- PWR & PoE

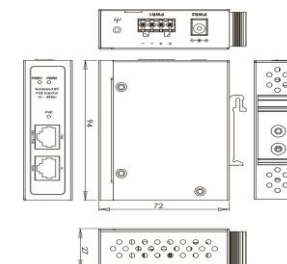
PHYSICAL SPECIFICATIONS

- Dimensions (WxDxH): 94x 72 x 27 mm



POWER INPUT CAPACITY

- 12~48VDC 2A



CERTIFICATIONS

- EN61000-4-2/-3/-4/-6/-8/-11/-4-5/ IEC/EN62368

OPERATING ENVIRONMENT

- Operating temperature: -40°C ~ +75°C
- Storage temperature: -40°C ~ +75°C
- Relative Humidity: 20 ~ 95% non-condensing