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

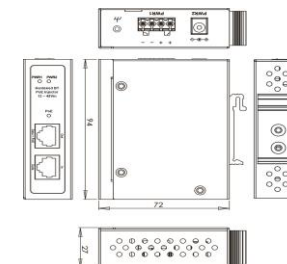|	
◦ PoE Standard	IEEE 802.3af Power over Ethernet
	IEEE 802.3at Power over Ethernet Plus
	IEEE 802.3bt Power over Ethernet Plus Plus
◦ PoE Power Supply Type	End-span + Mid-span
◦ PoE Power Output	15 watts Max. for 12VDC input
	30 watts Max. for 24VDC input
	45 watts Max. for 36VDC input
◦ Power Pin 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