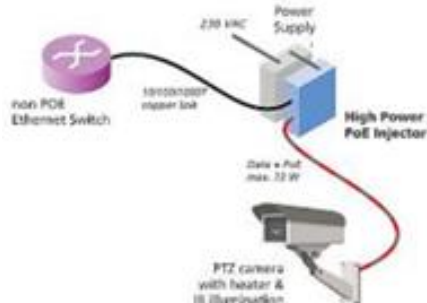


# IEEE 802.3bt 90w PoE Gigabit Injector

## DB100G-6KV



### Product Overview

This is a Power over Ethernet (PoE) gigabit Injector that not only delivers a cost-effective solution for power distribution, but also provides a seamless way of deploying Powered Devices (PDs) on existing LAN infrastructure.

With the use of power injectors, it is equipped with 6KV PoE Lightning Surge Protection and generating up to 90W for PD device remotely such as wireless Access Points, pan-tilt-zoom (PTZ) IP camera, 4G/5G LTE and video-phone. It complies IEEE802.3bt and IEEE802.3at/af standards with ultra high power output. It can work with 10/100/1000Base-T networking devices such as IP Cam and IP phone, etc.

### Product Features

- CE/FCC certified
- 6KV PoE Lightning Surge Protection
- Up to 90W of PoE Power Feeding on 4-pairs IEEE802.3bt and 802.3at/af PoE standard with PD Detection via PoE pin1/2(-), 4/5(+), 3/6(+), 7/8(-) Over Voltage (62V max.) Protection, Over Current (2.3A max.) and Short Protection
- Safe and Reliable Power to WLAN Access Points, 4G/5G LTE, IP Cam
- Supports 10/100/1000Base-T LAN environment
- Din-rail metal housing design to well fix the installation
- Working temperature range for whole device at -40~75°C

### Specification

Specifications	
No. of PoE PSE Port	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	

Pin Assignment and Polarity	Pin 1/2(-), 4/5(+), 3/6(+), 7/8(-)
Output Power Voltage	54VDC, 1.7A Maximal
User Port Power	90W Max.
Input Power Range	52~56 VDC
Requirements AC Input Current	100 ~ 240 VAC, 2A
AC Frequency	50 to 60Hz
Dimension of Injector	94(H) x 60(W) x 28(L)mm
Weight of Injector	200g
LED Indicators	PWR, POE
Connectors	RJ-45 x1
<b>Environmental Conditions</b>	
Operating Temperature	-40 ~ +75°C
MTBF	≥5 years, normal AC input with full load at 25°C
Regulatory	FCC part 15, Class B, EN55032 Class B,
Electrostatic Discharge(ESD)	4KV air/8KV contact discharge, EN61000-4-2/-3/-4/-6/-8/-11
PoE Lightning Surge Protection	6KV, EN61000-4-5
Safety Approvals	IEC/EN 62368
Hazardous Substances	Lead-free process, EU Directive 2011/65/EU "RoHS II", 2012/19/EU "WEEE", REACH compliant