

BT Box BT100

IEEE 802.3bt Gigabit PoE Injector

With VA Output Display



Product Overview

BT Box BT100 is a single port, IEEE 802.3bt 90w PoE PSE injector for remote PoE PD devices of IEEE 802.3bt/at/af, or PoH compliant. Generating up to 90W through 8 pins, BT100 supplies remote power for new applications such as wireless Access Points, 5G CPE, pan-tilt-zoom (PTZ) IP cameras, LED lighting, Panel display for digital signage and video-phones, etc. It complies to IEEE 802.3bt PoE++ standard to deliver 90w on both end-point and midspan pairs with a maximum power budget of 90w PoE output.

It can work with 10/100Base-T networking devices and emerging 1000Base-T devices. Through its LED window, the output of Voltage and Amp value are displayed and readable for power status monitoring. BT Box BT100 is able to work with either external power adaptor via DC jack or terminal block for existing DC power system.

Additionally BT Box BT100 embeds with RJ45 port as console port to perform PoE configurations and status monitor for engineering purpose and variety field support.



Key Features

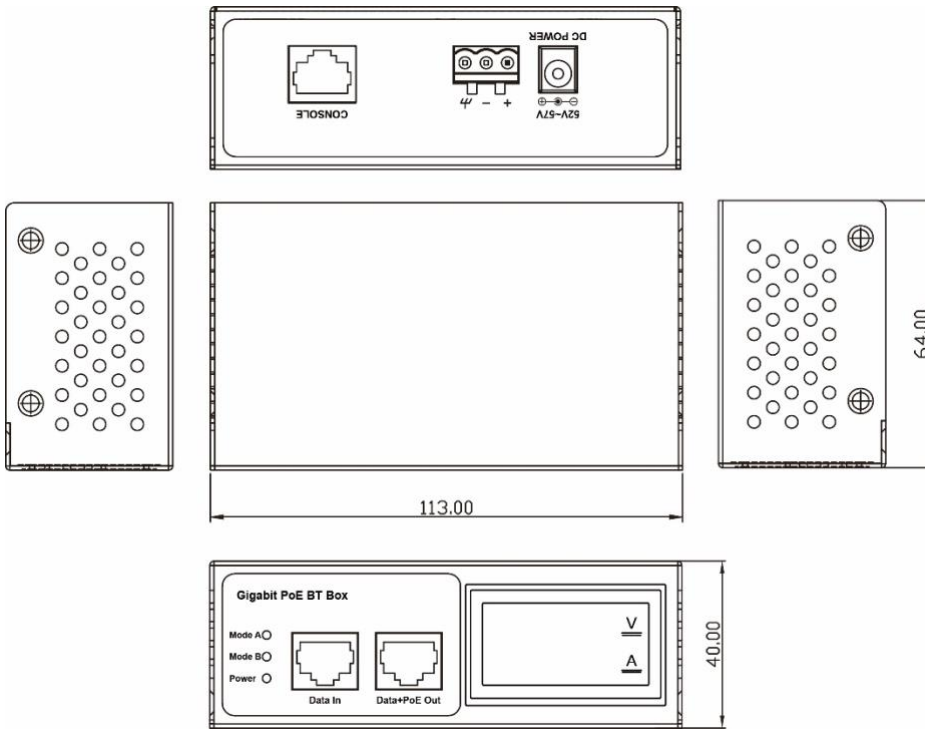
- Up to 90W of PoE Power Injection on 4-pairs Ethernet Cable
- IEEE 802.3bt Compliant
- IEEE 802.3at/af backward compatible
- Compatible with IEEE 802.3af or Legacy PoE applications
- Voltage and Amp reading by LED window display
- Convenient power input via DC jack or terminal block
- Console port for PoE configurations and status monitoring (optional)
- Supports 10/100/1000Base-T LAN environment
- Compact design with Wall Mount

Technical Specifications

No. of PoE PSE Ports	1 port IEEE 802.3bt/at/af PoE Injector
Ethernet Data Rates	10/100/1000Mbps
Pin Assignment and Polarity	1/2(-), 3/6(+), 4/5(+), 7/8(-)
Output Power Voltage	56 VDC Maximal
Port Output Power	90 Watts Maximal
Input Power Voltage	52~57VDC (52V or above for IEEE 802.3bt application)
Dimensions / Weight	113 x 64 x 40 mm / 305g (BT100 device only)
Indicators	Power, Mode A, Mode B
Connectors	3 x RJ-45 (Data In, Data+PoE Out, Console)
Operating Ambient Temperature	0 to 40 °C

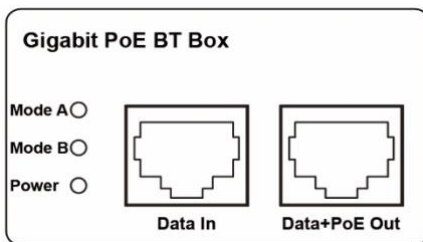


Dimensions

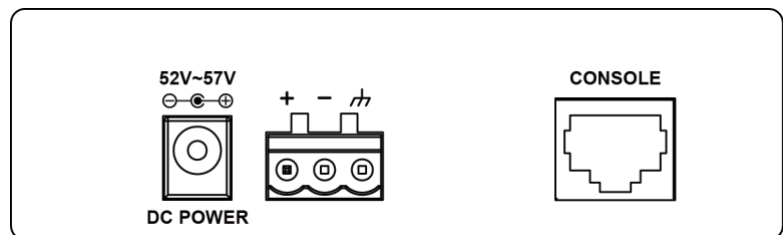


Panel

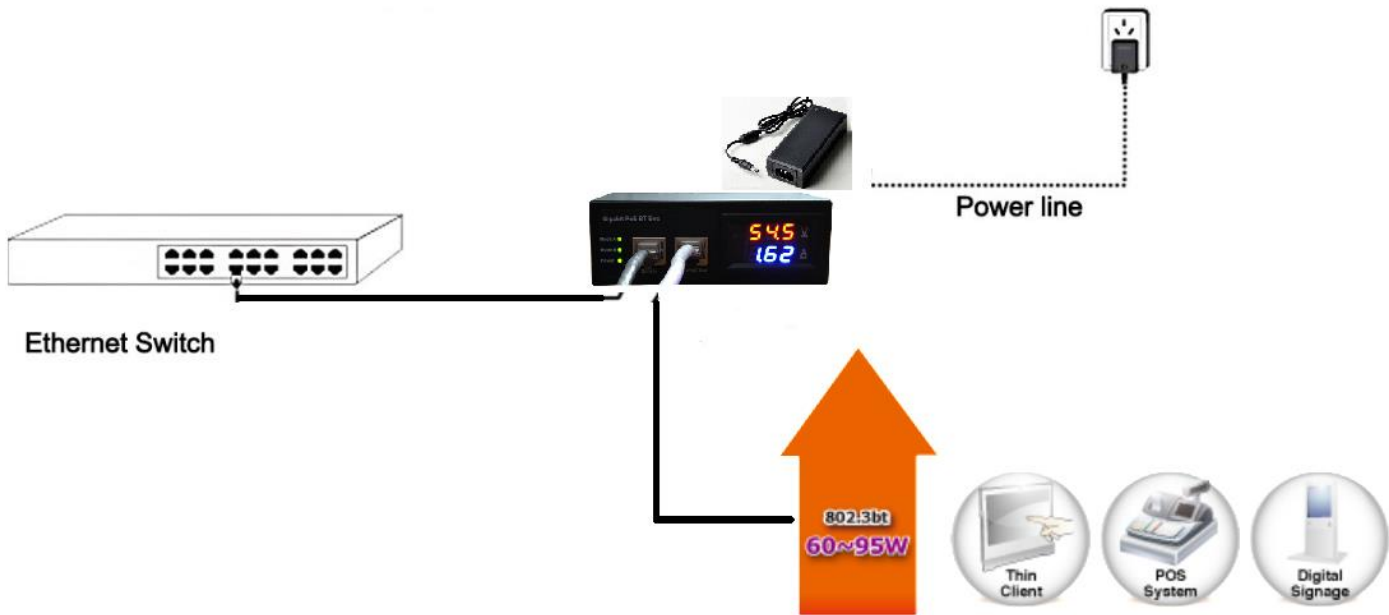
Front Panel





Rear Panel



Applications:



Ordering Information

BT Box BT100	BT PoE Injector with VA output display
With Power Adaptor	BT100-65w / BT100-90w / BT100-120w
Console cable	For PoE configurations and status monitoring
BT Surge Proector	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>2KA (SP202GM)</p> </div> <div style="text-align: center;">  <p>8KA (SP208GM)</p> </div> </div> <p style="text-align: center;">10KA-ODU (SP210G-ODU)</p> 