

# 90W/60W 802.3bt PoE Injector

WI-POE58-BT | WI-POE58-BT-I-DC |  
WI-POE55-48V-60W | WI-POE56-60W-I-O



## Overview

Wi-Tek PoE Injector complies with IEEE 802.3af/at/bt standards with up to 60W/90W power supply.

The higher power supply can meet the power demand in large network topologies, allowing customers to reduce power supply anxiety when deploying in the field. Among them, WI-POE56-60W-I-O, WI-POE58-BT-I-DC, WI-POE55-48V-60W uses a robust metal case to greatly increase product life and is suitable for outdoor/industrial scenarios.

## Features

### High power POE output

WI-POE58-BT, WI-POE58-BT-I-DC can supply up to 90W power, WI-POE55-48V-60W and WI-POE56-60W-I-O can supply up to 60W power. They extend our network to places where there is no power supply or outlet.

### Compact size

Compact design for space efficiency and convenience.

### Plug and Play Installation Mode, No Configuration is Required

Easy to install, simply connect the injectors to an Ethernet switch and to the IP-based PoE device to provide power and data for the network. The compact and lightweight design is easy to install and facilitates deployment of PoE devices with no power outlet requirement. all PoE injectors have overload and short circuit protection, which shuts down the power immediately if those issues prevail, leaving no damage to your equipment.

# Specifications

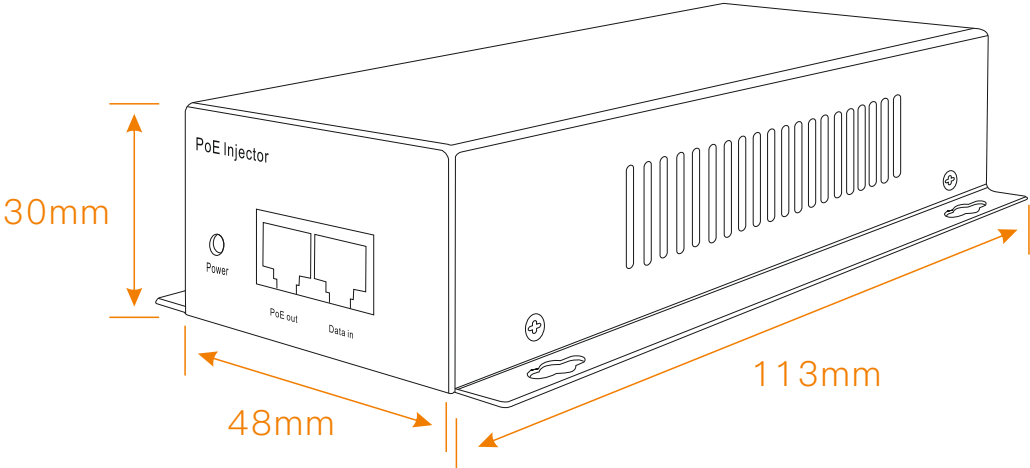


| Model                    | WI-POE58-BT                                                                                 | WI-POE58-BT-I-DC                                                                         | WI-POE55-48V-60W                                                                            | WI-POE56-60W-I-O                                                                            |
|--------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Hardware Specifications  |                                                                                             |                                                                                          |                                                                                             |                                                                                             |
| Hardware Version         | V1                                                                                          | V1                                                                                       | V1                                                                                          | V1                                                                                          |
| Interfaces               |                                                                                             |                                                                                          |                                                                                             |                                                                                             |
| Interfaces               | 1 100/1000Mbps PoE RJ45 Port<br>1 100/1000Mbps Ethernet Port                                |                                                                                          |                                                                                             |                                                                                             |
| PoE                      |                                                                                             |                                                                                          |                                                                                             |                                                                                             |
| PoE Standard             | 802.3 af/at/bt(90W)                                                                         |                                                                                          | Hi-PoE 60W                                                                                  |                                                                                             |
| PoE Power Supply Type    | Mid-span and End-span                                                                       |                                                                                          |                                                                                             |                                                                                             |
| PoE Pin Assignment       | 1/2(+), 3/6(-) or 4/5(+), 7/8(-)                                                            |                                                                                          |                                                                                             |                                                                                             |
| PoE Power Budget         | 90W Max                                                                                     |                                                                                          | 60W Max                                                                                     |                                                                                             |
| Power Supply             |                                                                                             |                                                                                          |                                                                                             |                                                                                             |
| Input Power              | AC 100-240V 50/60Hz<br>2.1A Max                                                             | DC 12-57V 10A Max                                                                        | AC 100-240V 50/60Hz<br>0.8A Max                                                             | DC 24-56V 3A Max                                                                            |
| Power Consumption        | Idle: 2 W                                                                                   | Idle: 1W                                                                                 | Idle: 1W                                                                                    | Idle: 3 W                                                                                   |
| Physical Characteristics |                                                                                             |                                                                                          |                                                                                             |                                                                                             |
| LED Indicators           | <b>Power</b><br>On: the device power on is normal<br>Off: the device is power off or failed | <b>PW</b><br>On: the device power on is normal<br>Off: the device is power off or failed | <b>Power</b><br>On: the device power on is normal<br>Off: the device is power off or failed | <b>Power</b><br>On: the device power on is normal<br>Off: the device is power off or failed |
|                          |                                                                                             | <b>48V</b><br>On: 48V PoE Powered device input<br>Off: no 48V input                      |                                                                                             | <b>POE</b><br>Green: It is currently in 802.3bt PoE mode and PD connection is successful.   |
|                          |                                                                                             | <b>AF</b><br>On: IEEE802.3af input                                                       |                                                                                             | Orange: It is currently in UPoE mode and PD                                                 |
|                          |                                                                                             |                                                                                          |                                                                                             |                                                                                             |

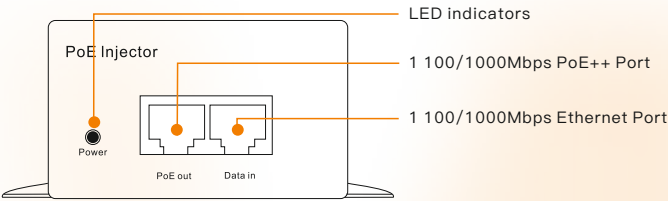
|                       |                         |                                                                                                                                                                                                                                                                            |                                                              |                                                             |                                                              |
|-----------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|
|                       |                         | Off: no IEEE802.3af input<br><br><b>AT</b><br>On: IEEE802.3at input<br>Off: no IEEE802.3at input<br><br><b>Hi-PoE</b><br>On: Hi-PoE 60W input<br>Off: no Hi-PoE 60W input<br><br><b>BT</b><br>On: IEEE802.3af/at/bt<br>90W input<br>Off: no IEEE802.3af/at/bt<br>90W input |                                                              | connection is successful.                                   |                                                              |
| Fan Quantity          | Fanless                 |                                                                                                                                                                                                                                                                            |                                                              |                                                             |                                                              |
| Injector Dimension    | 182*92*41 mm            | 115*99*30 mm                                                                                                                                                                                                                                                               | 120*58*39 mm                                                 | 150*72*46 mm                                                |                                                              |
| Package Dimension     | 247*192*61 mm           | 203*132*42 mm                                                                                                                                                                                                                                                              | 250*131*42 mm                                                | 242*182*84 mm                                               |                                                              |
| Weight                | Net Weight: 0.49 kg     | Net Weight: 0.33 kg                                                                                                                                                                                                                                                        | Net Weight: 0.22 kg                                          | Net Weight: 0.47 kg                                         |                                                              |
|                       | Package Weight: 0.77 kg | Package Weight: 0.44 kg                                                                                                                                                                                                                                                    | Package Weight:0.46 kg                                       | Package Weight: 0.86 kg                                     |                                                              |
| Installation          | Wall-Mounted, Desktop   | Wall-Mounted,<br>Desktop, Din-rail                                                                                                                                                                                                                                         | Desktop                                                      | Wall-Mounted, Desktop                                       |                                                              |
| Environmental         |                         |                                                                                                                                                                                                                                                                            |                                                              |                                                             |                                                              |
| Reliability           | Surge Immunity          | IEC 61000-4-5<br>Common mode 6kV<br>Differential mode 2kV                                                                                                                                                                                                                  | IEC 61000-4-5<br>Common mode 6kV<br>Differential mode 6kV    | IEC 61000-4-5<br>Common mode 3kV<br>Differential mode 2kV   | IEC 61000-4-5<br>Common mode 4kV<br>Differential mode 2kV    |
|                       |                         | IEC 61000-4-2<br>Contact discharge 6kV<br>Air discharge 8kV                                                                                                                                                                                                                | IEC 61000-4-2<br>Contact discharge 6kV<br>Air discharge 10kV | IEC 61000-4-2<br>Contact discharge 6kV<br>Air discharge 8kV | IEC 61000-4-2<br>Contact discharge 8kV<br>Air discharge 10kV |
|                       | ESD Protection          |                                                                                                                                                                                                                                                                            |                                                              |                                                             |                                                              |
| Operating Temperature |                         | -10 to 50℃                                                                                                                                                                                                                                                                 | -40℃ to 75℃                                                  | -10 to 50℃                                                  | -40℃ to 80℃                                                  |
| Operating Humidity    |                         | 10% ~ 90% RH no condensation                                                                                                                                                                                                                                               | 5% ~ 90% RH no condensation                                  |                                                             | 10% ~ 90% non-condensing                                     |
| Storage Temperature   |                         | -40℃ to 75℃                                                                                                                                                                                                                                                                | -40℃ to 85℃                                                  | -40℃ to 75℃                                                 | -40℃ to 85℃                                                  |
| Storage Humidity      |                         | 5% ~ 95% RH no condensation                                                                                                                                                                                                                                                | 5% ~ 95% RH no condensation                                  |                                                             | 5% ~ 90% RH non-condensing                                   |
| Others                |                         |                                                                                                                                                                                                                                                                            |                                                              |                                                             |                                                              |
| Certification         |                         | CE, FCC, RoHS, UKCA, RCM                                                                                                                                                                                                                                                   |                                                              |                                                             |                                                              |

WI-POE58-BT

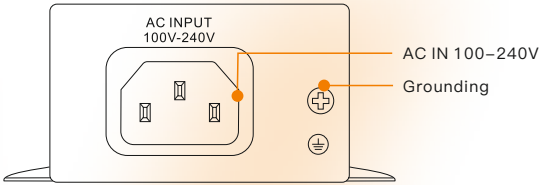
Dimensions (mm)



Front Panel

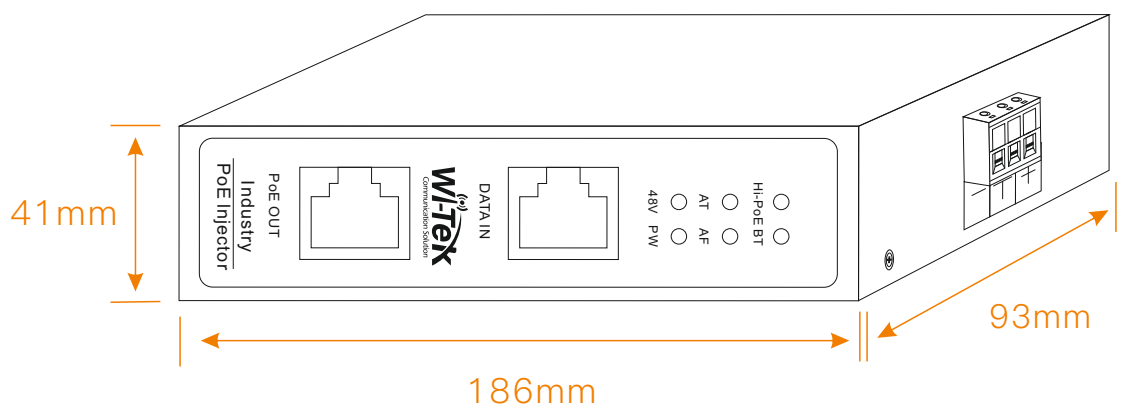


Side Panel

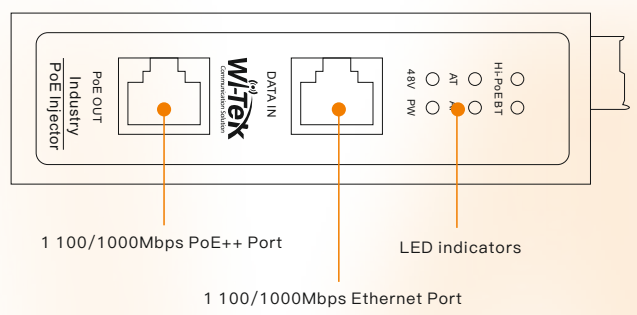


WI-POE58-BT-I-DC

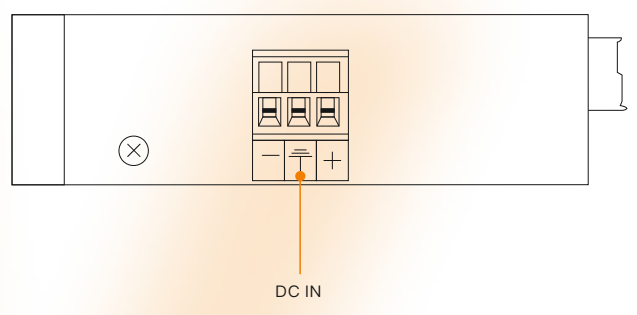
Dimensions (mm)



Front Panel

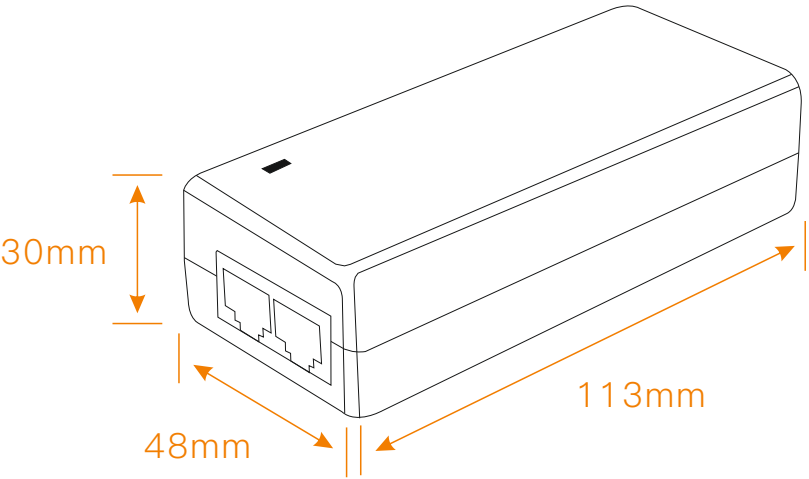


Side Panel

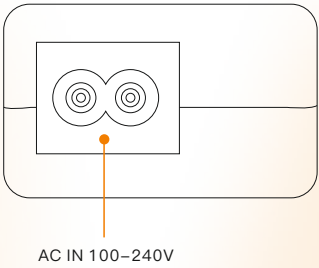


WI-POE55-48V-60W

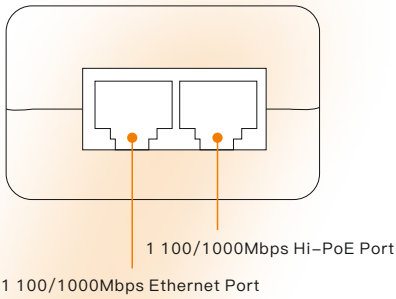
Dimensions (mm)



Front Panel

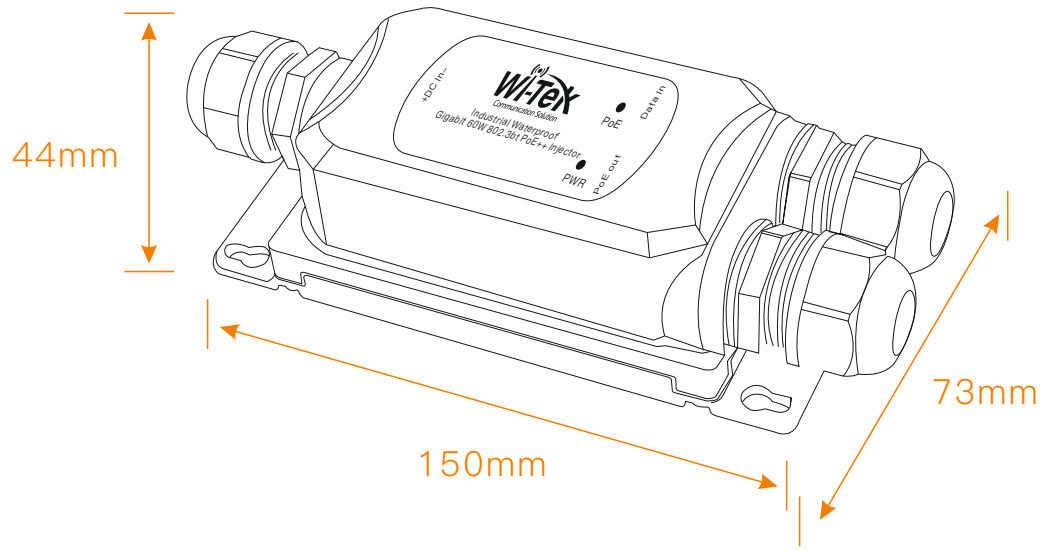


Side Panel

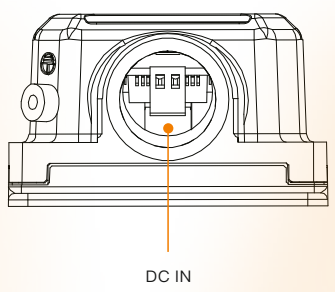


WI-POE56-60W-I-O

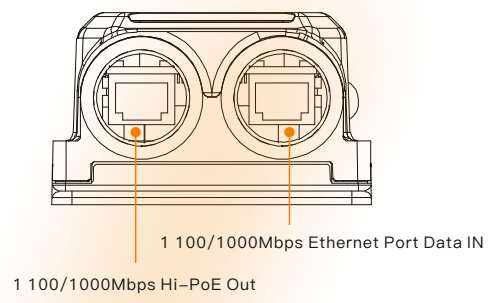
Dimensions (mm)



Front Panel



Side Panel



# Package Contents

Welcome to order our products. After purchasing, you will receive:

WI-POE58-BT | WI-POE55-48V-60W

| Items                    | Quantity |
|--------------------------|----------|
| PoE Injector             | 1 pcs    |
| Power cord               | 1 pcs    |
| Quick Installation Guide | 1 pcs    |

WI-POE58-BT-I-DC

| Items                    | Quantity |
|--------------------------|----------|
| PoE Injector             | 1 pcs    |
| Wall-mount Kit           | 1 pcs    |
| screw driver             | 1 pcs    |
| Quick Installation Guide | 1 pcs    |

WI-POE56-60W-I-0

| Items                    |       |
|--------------------------|-------|
| PoE Injector             | 1 pcs |
| M22 Waterproof Gland     | 3 pcs |
| Wrench                   | 1 pcs |
| Ground Wire              | 1 pcs |
| Quick Installation Guide | 1 pcs |



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Technical Support



Cloud Management



Company Website