



ALL-PI2015MGPB-BT90

PoE Injector with 1G/2.5G/5G/10G & PoE bt 15,4W/30W/60W/90W



USER MANUAL

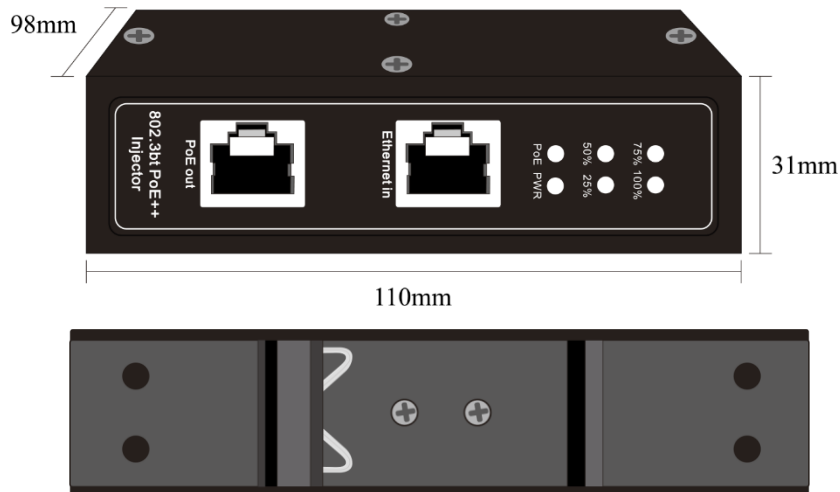
Product Overview

The ALL-PI2015MGPB-BT90 is an Industrial Hardened Multi-Gigabit IEEE802.3bt 90W PoE++ injector which provides 2 port 100M/1G/2.5G/5G/10GBase-T Multi-Gigabit, the PoE output port supports IEEE802.3bt 90W PoE++ PSE (Power Sourcing Equipment) and compliant with IEEE 802.3af/at/bt.

Package Checklist

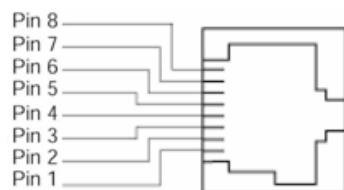
- 90W PoE Injector
- Quick Start Guide
- Wall Mount bracket

Product Profile




Interface

RJ-45 Pin Assignment



Pi	Signal Name
1	TP0+ Positive (VCC+)
2	TP0- Positive (VCC+)
3	TP1+ Negative (VCC-)
4	TP2+ Positive (VCC+)
5	TP2- Positive (VCC+)
6	TP1- Negative (VCC-)
7	TP3+ Negative (VCC-)
8	TP3- Negative (VCC-)

Power Connection

Pin Description	-	+	≡	 DC:12-57V
Wiring	Insert Negative DC power wire	Insert Positive DC power wire	Insert Grounding wire	

LED Indicators

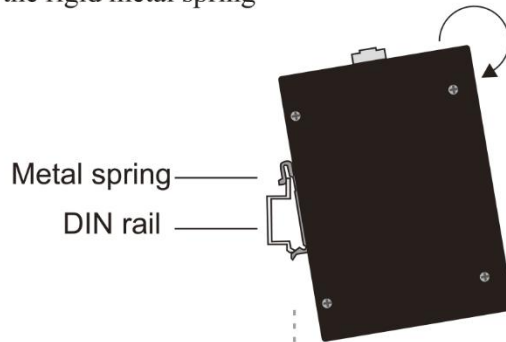
Indicator	Color	State	Indication
PWR	Green	Lights	The injector starts normally, when the power supply input voltage within 12~57VDC,this indicator will be solid on
		Off	Power supply input voltage wrong, the injector can not start normally
PoE	Green	Lights	The injector PoE can work normally, when power supply input voltage within 12~57VDC,this indicator will be solid on
		Off	Power supply input voltage wrong, the injector PoE can not work normally
PoE Power Usage: 25%,50%, 75%, 100%	Green		25%: off to indicate the PoE power usage is less than 25%,blinks to indicate the PoE power usage is around 0-24%,lights to indicate the PoE power usage is more than 25% 50%: blinks to indicate the PoE power usage is around 26-49%,lights to indicate the PoE power usage is more than 50% 75%: blinks to indicate the PoE power usage is around 51-74%,lights to indicate the PoE power usage is more than 75% 100%: blinks to indicate the PoE power usage is around 76-99%,lights to indicate the PoE power usage is at the maximum

Installation

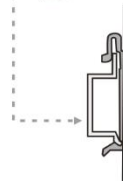
DIN Rail Installation

This product can be installed on a DIN rail. Installation steps are as follows:

- ① Insert the top of the DIN rail into the notch under the rigid metal spring



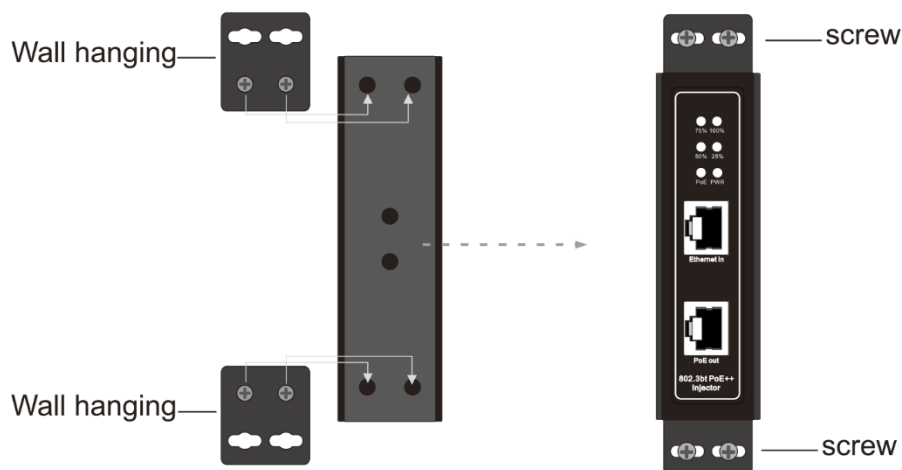
- ② Quickly install the DIN rail base unit in the position shown in the figure



Wall Mount Installation

This product also can be installed on a Wall Mount. Installation steps are as follows:

- ① Install the wall mounted panel on the switch
- ② Connect the switch with screws Fixed to the wall vertically



Setup

- a) Connect the the Injector to the power supply. Ensure the power supply in connected to a power source and the PWR and PoE indicator is ON. If not, please ensure that the power cable is connected properly and the power supply is functioning normally.

- b) Connect the Ethernet IN port to the network equipment (e.g. Switch or PC), Connect the PoE out port to the Powered Device (e.g. PoE IP-CAM).

- c) After all cables are correctly connected, the indicators will be lit as per port status LEDs.

Safety Instructions

Please be sure to observe the following instructions:

General notes



RISK

- Only use the device for the purpose it was designed.
- Only use the device as described in the Quick Start Guide or manual.
- Any other use is considered improper and may result in property damage.
- Neither ALLNET® nor the dealer accepts liability for damage caused by improper or incorrect use.
- All safety instructions must be read through.
- The manual should be kept for future reference.

Notes on using the plug-in power supply unit



DANGER

- The power supply unit may only be connected to a mains voltage of **100-240 V, 50/60Hz**
- Connect the unit only to properly installed and grounded power outlets.
- Do not touch the plug-in power supply unit with wet hands, risk of electric shock.
- In the event of smoke or odor coming from the housing or malfunctions, immediately disconnect the plug-in power supply from the socket.

/// ATTENTION

- Connect the power supply only after the device has been installed.
- Avoid the use of multi-sockets.
- Ensure that cables are laid so that they cannot be tripped over or stepped on.

- The device remains powered even if the device is switched off. If the device is not in use for a longer period of time, disconnect the power supply from the socket.

Mounting instructions

WARNING

- NEVER place the device near radiators, air conditioners or water sources. This greatly increases the risk of electric shocks, short circuits or fire.
- The humidity should be between 20% and 80%, otherwise condensation may occur.
- Protect the device from direct sunlight, extreme heat, open fire and dust. Otherwise, the risk of electric shocks, short circuits or fire increases.
- Never place the device on surfaces that are sensitive to heat.
- Do not use the device in damp rooms and under no circumstances in potentially explosive areas.
- The device is designed for use in enclosed spaces.

Operating notes

ATTENTION

- Operate the device only with the voltage indicated on the device or on the included power supply unit.
- Any batteries present are only to be replaced with the same or an equivalent type.
- Do not use obviously defective devices. If the unit does not operate normally – especially if unusual odors or noises occur – unplug the power cord from the socket immediately.
- Never expose the device to direct sunlight during operation.
- Never operate the device near sources of heat.
- Protect the device from moisture, dust, liquids and vapors.
- Never open the device.
- Work on the device may only be carried out when the device has been disconnected from its power source.

- The device may only be operated by persons who have read the instructions or have been instructed in its operation by a competent person.

Instructions for repair and maintenance.



RISK

- Repairs may only be carried out by trained, authorized personnel.
- Regular maintenance is not necessary.
- Never open the device.
- For cleaning work, disconnect the device from its power source.
- Do not use any cleaning agents containing solvents for cleaning, but only a soft, dry antistatic cloth.
- It is forbidden to make any modifications to the unit.
- Damaged devices or damaged components may no longer be used.



NOTE

ALLNET GmbH Computersysteme declares that the device **ALL-PI2015MGPB-BT90** is in compliance with the essential requirements and other relevant provisions of Directive 2014/30/EU. The Declaration of conformity can be found under this link: <http://ce.allnet.de>

ALLNET GmbH Computersysteme
Maistrasse 2
82110 Germering

Tel.: +49 (0)89 894 222 - 22
Fax: +49 (0)89 894 222 - 33
Email: info@allnet.de



CE Marking is the symbol as shown above. The letters "CE" are the abbreviation of the French phrase "Conformity European" which literally means "European Conformity". The terms initial use was as the "EC Mark". With the Directive 93/68/EEC from 1993 it was officially replaced by the "CE Marking". Nowadays the "CE Marking" is used in all EU official documents.



NOTE



This symbol on the product or on its packaging indicate that this product is not to be disposed with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of electrical waste or electronic equipment. The separate collection and recycling of your waste equipment will

DE13101093 help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment. For more information about where you can dispose your waste equipment, please contact your local city office, your household disposal service or the shop where you purchased the product.



This recycle logo indicates that this product can be recycled, not that the product has been recycled. It is possible that this device will not be accepted in all recycling collection systems.



The recycling codes are used to guarantee the correct handling of waste. It is an internationally recognized classification that assigns a unique number to each waste material. This number provides information on how the waste material can best be recycled to ensure the least possible impact on the environment. The code PAP 22 describes these instructions for the device, which were printed on paper. They should be disposed of through the usual recycling channels, such as waste paper collection points.



The RoHS directive aims to restrict certain dangerous substances commonly used in electronic and electronic equipment. This RoHS compliant symbol indicate the component is tested for the presence of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Hex-Cr), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE). For Cadmium and Hexavalent chromium, there must be less than 0.01% of the substance by weight at raw homogeneous materials level. For Lead, PBB, and PBDE, there must be no more than 0.1% of the material, when calculated by weight at raw homogeneous materials. Any RoHS compliant component must not have more than 100 ppm of mercury and the mercury must not have been intentionally added to the component.