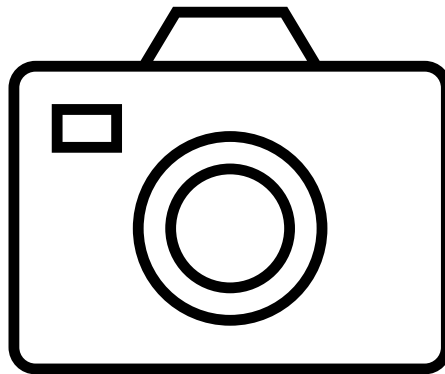




# KN-BTPMC-202M

## Quick Installation Guide



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## About This Manual

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<b>Purpose</b>	<p>This user guide describes how to install, configure, and troubleshoot the RY-LPITE-442XGME.</p>
<b>Audience</b>	<p>The guide is intended for use by network administrators who are responsible for operating and maintaining network equipment; consequently, it assumes a basic working knowledge of general device functions and installation.</p>
<b>Conventions</b>	<p>The following conventions are used throughout this manual to show information.</p>
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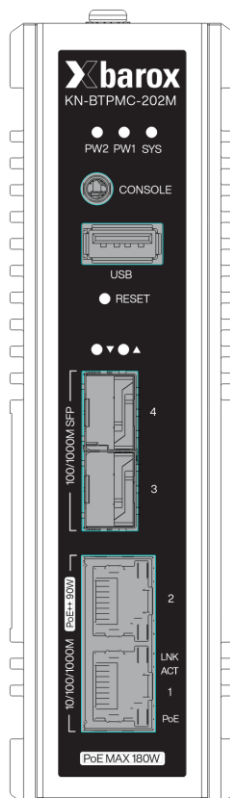
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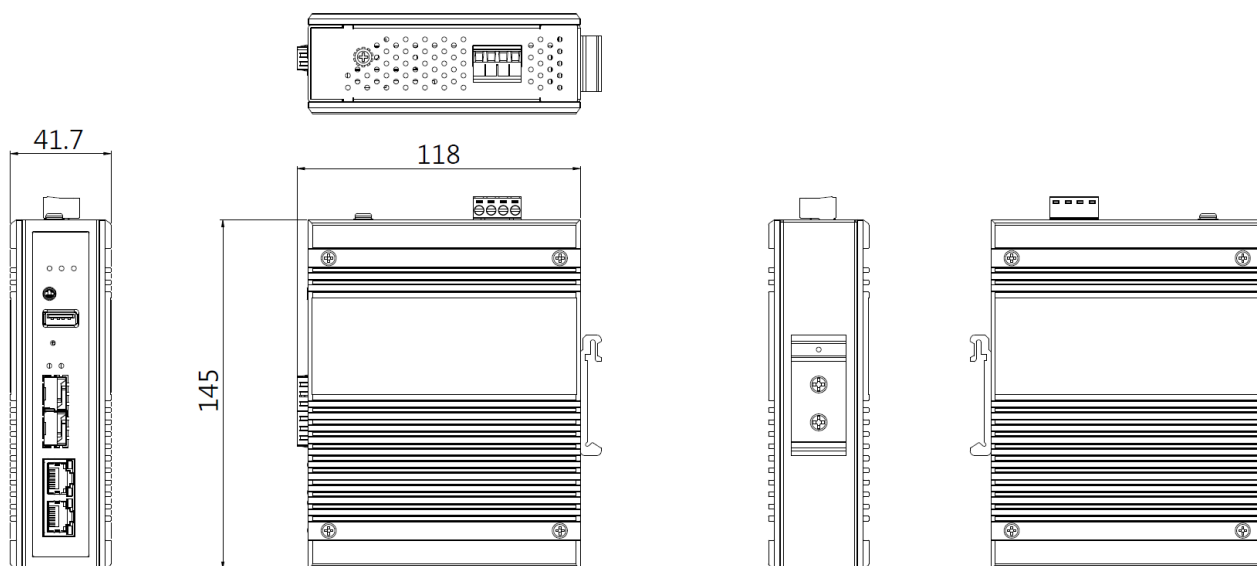
## 1 Front Panel Instruction

The following picture is the front panel for "KN-BTPMS-202M".



## 2 Dimensions

WxHxD: 42x145x118 mm





### 3 Top View



This is the top view of the KN-BTPMS-202M containing the ground, power inputs.

## 4 LED Instruction

### 4.1 System LEDs

LED	Color	Status	Description
PW1	Green	On	Power is supplied on the power input 1.
		Off	Power is not supplied on the power input 1.
PW2	Green	On	Power is supplied on the power input 2.
		Off	Power is not supplied on the power input 2.
SYS	Green	On	The system boots up and in normal operation.
		Off	The system is powered off or during booting.
	Red	On	The configured event of failure is triggered.

### 4.2 Interface Status LEDs

LED	Color	Status	Description
SFP Slot P3 to P4 (100M/1G)	Green	On	The link of the fiber port is active.
		Flashing	Data is transmitted on the fiber port.
		Off	The link of the fiber port is inactive.
LAN Port P1 to P2	Green	On	The link of the port is active.
		Flashing	Data is transmitted on the port.
		Off	The link of the port is inactive.
95W PoE++ P1 to P2	Amber	On	An IEEE 802.3bt powered device is connected.
		Off	No IEEE 802.3bt powered device is connected.

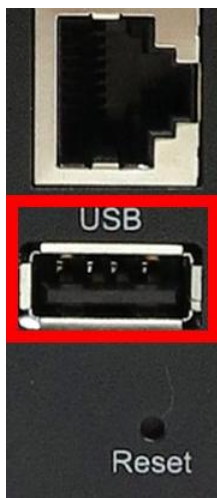


## 5 Reset Button

A multifunctional reset button is provided. Use a pointed object such as toothpick or paper clip (straightened) to press the reset button.

Continuous Seconds	Action
1	Save the running configuration to the USB device named "running-config".
4	Reboot the system.
More than 7	Reset the system to factory default and reboot it.

## 6 USB Port

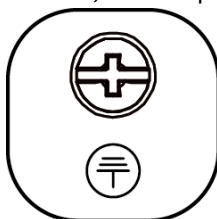


A USB port is available on the device that is located between the RJ45 Ethernet port and Reset button. This USB port provides the following features:

- Backup/Restore Configurations
- Auto-Load configuration from USB
- Auto-Backup configuration to USB
- Save system logs to USB

## 7 Earth Grounding

The earth grounding and cautious wire routing are helpful to suppress the effects of noise from electromagnetic interference (EMI). The device has to be installed on a well-grounded surface, for instance, a metal panel.



The location of earth ground screw is usually near the location of power inputs, for example:

- Top side for most of din-rail models
- Rear side for most of rack-mount models
- Front side for most of M12 models

**Note:** Connect the ground from the ground screw to the surface of ground before wiring the power inputs.

## 8 Hardware-Installation

### 8.1 SFP Cabling

There are 2x 100/1000 SFP Slots on the "KN-BTPMS-202M" device. barox Kommunikation guarantees trouble-free operation with barox certified and tested SFP's. Please contact barox for information on compatible SFPs.

### 8.2 Insert SFP Module

1. Insert the SFP module. A triangle is available on the device and SFP module.



2. Push the SFP module down.

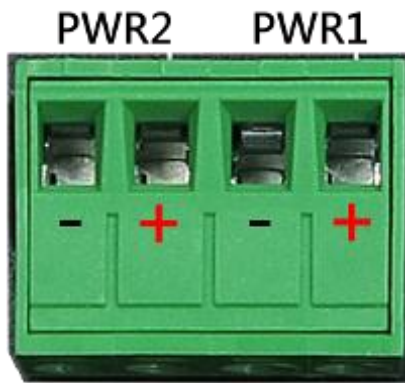


### 8.3 Remove SFP Module

1. Press and remove the SFP cable.
2. Open the SFP module and remove it.



#### 8.4 Wiring Power Inputs



1. Insert the positive and negative wires into the PWR1 (+,-) and PWR2 (+,-) on the 4-contact terminal block connector.
2. Tighten the screws to prevent the wires from loosening.

#### 8.5 Din-Rail Mounting

- a. Screw the DIN-Rail bracket to the device.
- b. Insert the top of the DIN-Rail bracket to the DIN-Rail track.



- c. Pull down the DIN-Rail bracket to the DIN-Rail track and check if it is mounted tightly on the DIN-Rail track.



## 8.6 Installation Steps

1. **Unpack:** The device is well packed and shipped to our customers. Unpack it from the box.
2. **Check Content Items:** Please make sure all the items listed in the "Package Check List" are in the box.
3. **Mounting:** The DIN-Rail is screwed on the device by default. If the DIN-Rail is not screwed to the device, refer to the "DIN-Rail Mounting" section to install it manually.
4. **Power On:** To power on the device, users must prepare a power supply and wire the power input. Refer to the "Wiring Power Inputs" section. The power LEDs are described in the "LED Instruction" section.
5. **Connect:** To connect to the device, users need a RJ45 cable. Insert the RJ45 cable into one of the device ports and insert the other end to the host such as PC. The link LEDs are described in the "LED Instruction" section.
6. **Check LEDs:** We recommend the users to check the status of LEDs in the "LED Instruction" section. If all the LEDs are in the normal state, the installation is completed.