



## **User Manual**

### **RPT-M1005-T-X2**

### **Industrial 5 Port M12 IP67 Fast Ethernet**

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# Overview

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## Interface

- MDI/MDI-X function supported on all copper ports
- Embedded 5x Fast Ethernet ports
- Store-and-forward switching architecture

## Switch Properties

- Up to 1K MAC Address Table supported
- Up to 448Kbits Packet Buffer supported

## Power Input

- Redundant 12-48VDC power

## Temperature

- Extended operating temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- Storage temperature: -40°C ~ 85°C (-40°F ~ 185°F)

## Mechanical Construction

- IP67 protection
- Wall Mounting

## Package Check List

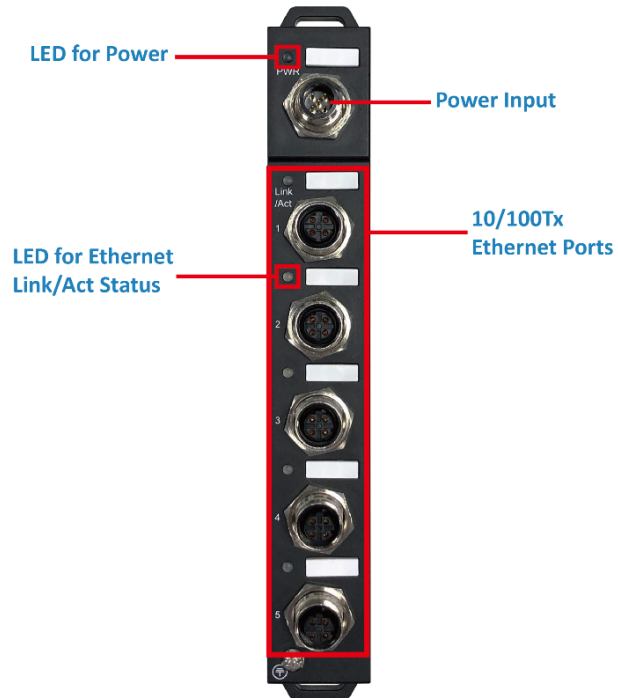
The product is shipped with only the switch item in its box. There is no accessories. Please contact us if you need any assistance for installation.

# Product Description

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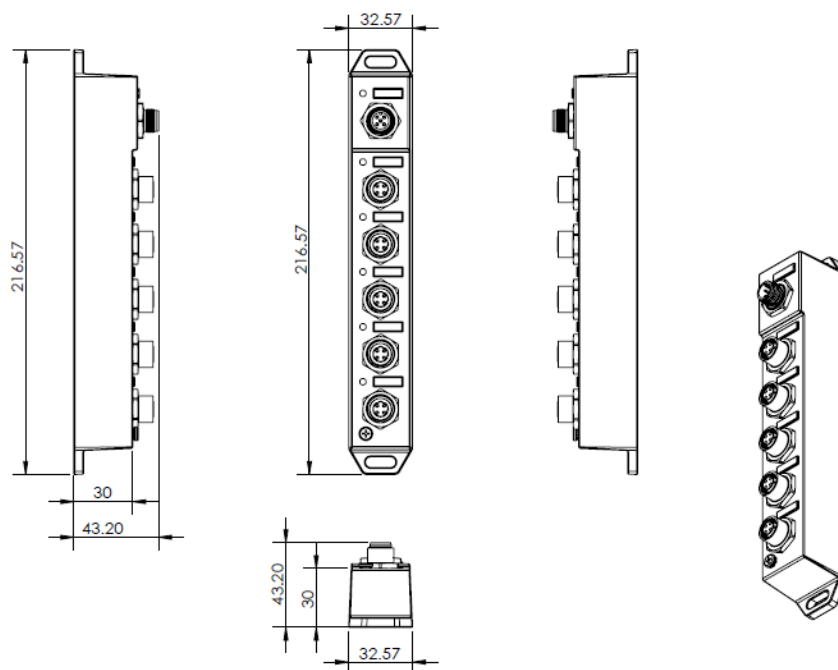
## Front Panel Instruction

The following picture is the front panel for "RPT-M1005-T-X2".



## Dimensions

WxHxD: 33x217x43 mm



## LED Instruction

### System LEDs

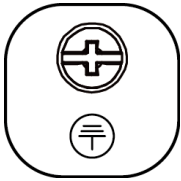
LED	Color	Status	Description
PWR	Green	On	Power is supplied on the power input.
		Off	Power is not supplied on the power input.

### Interface Status LEDs

LED	Color	Status	Description
LAN Port	Green	On	The 10/100Mbps link of the port is active.
P1 to P5 (Link/Act)		Flashing	Data is transmitted on the port at 10/100Mbps.
		Off	The 10/100Mbps link of the port is inactive.

## Earth Grounding

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



The location of earth ground screw is on the top side and bottom left corner of the product

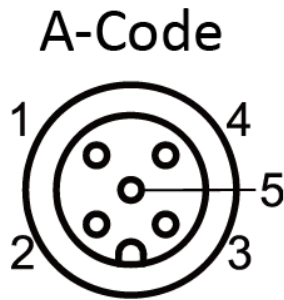
### **Note:**

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

# Installation

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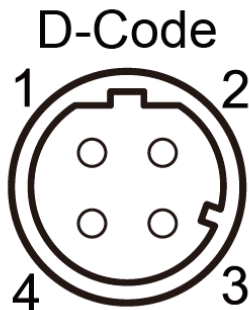
## Wiring Power Input



The left picture is the illustration of A-Code M12 connector on the board side. Please wiring the cable with the following instruction:

- 1: GND2
- 2: PWR2
- 3: PWR1
- 4: GND1
- 5: N.C.

## Wiring D-code M12 Cable



The left picture is the illustration of D-code M12 connector on the board side. Please wiring the cable with the following instruction:

- 1: Tx+
- 2: Rx+
- 3: Tx-
- 4: Rx-

# MOUNTING

## Wall Mounting

Screwing the M12 device on the wall





## INSTALLATION STEPS

### 1. Unpack

The switch 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 Wall mount brackets are designed on the switch by default. To install the switch on the wall, refer to the "**Wall Mounting**" section.

### 4. Power On

To power on the switch, 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 switch, users need a **M12 D-Code cable**. Insert the M12 cable into one of the switch ports and insert the other end to the host.

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.