

Hardware Installation Guide

Version 1.0
Updated in June, 2026



Package Check List

Inside the package you will find the following items:

- Unmanaged Ethernet Switch x 1
- 6-Pin 5.08mm Lockable Terminal Block x 1
- DIN-Rail Kit (Already mounted to the device) x 1
DIN rail screw type: M3 x 6mm depth
DIN rail screw qty: 4 pcs
- Installation Guide with Warranty Card x 1



This equipment should be installed indoor and not connect directly with equipment installed outdoor.

Installation Overview

The device's appearance is as in the figure below.

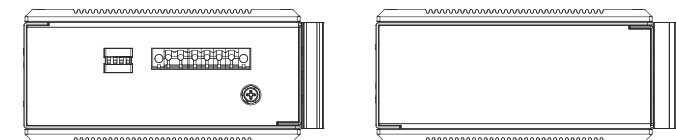
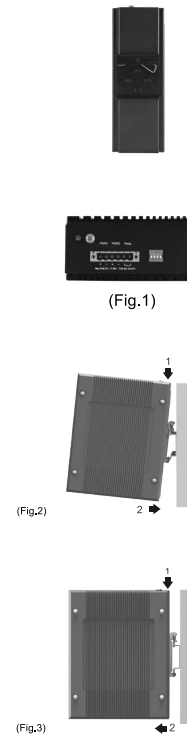
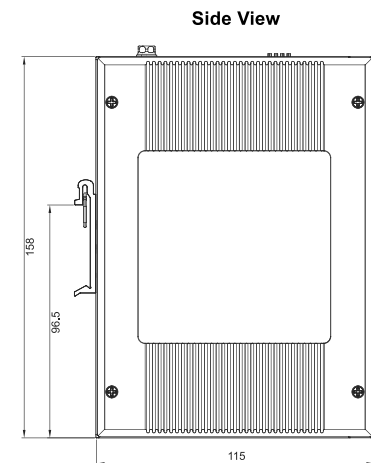
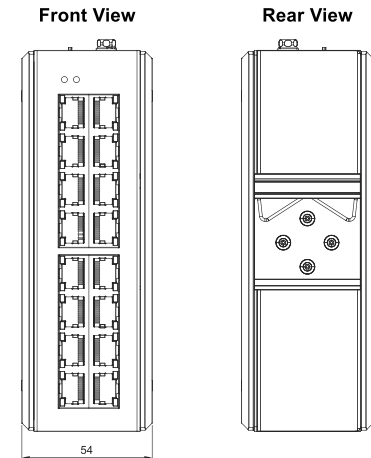
Although internal grounding has been done inside, in order to ensure overall maximum performance and protect your device, it is still strongly advised to ground the device properly; hazardous ESD can come into contact and damage your equipment. On the power terminal block, there is a terminal for Frame Ground, you can choose whether to connect it to the grounding or you may opt to connect to the grounding screw next to the terminal block (the one chosen should be connected at all times) (Fig. 1)

You can then choose whether to plug in the other peripheral ports at this point or do it later depending on the actual location of the device or level of comfort for performing such operation.

Once the plate has been firmly put in place, proceed to mount the whole device as shown in (Fig. 2). Proceed to (Fig. 3) if you want to remove the device from DIN-Rail.

Next we can then proceed to connect the device to the LAN (switch or PC, depending on the case), take care on using the RJ-45 connector; after this we can then proceed to the device's settings

Mechanical Dimensions (Unit=mm)



* The wall mount kit illustrated in this document is for reference only and is not included in the package.

LED Indicators

For PoE Models

LED	Color	State	Description
P	Green	Off	The device is powered off or has failed
		On	The device power is normal
S	Red	Off	Total PoE usage < 50%
		Blinking	50% < Total PoE usage < 90%
		On	Total PoE usage >90%
LAN	Green	Off	Port link down
		On	Port link up
		Blinking	Data is transmitting or receiving
	Yellow	Off	PoE is not working
		On	PoE is working

For Non-PoE Models

LED	Color	State	Description
P	Green	Off	The device is powered off or has failed
		On	The device power is normal
S	Red	Off	The system is operating normally
		On	The system is abnormal
LAN	Green	Off	Port link down
		On	Port link up
		Blinking	Data is transmitting or receiving
	Yellow	Off	Port speed is 10/100 Mbps
		On	Port speed is 1000 Mbps

Power Requirements

- Relay Output: 24V/1A with current carrying capacity of 1A @ 24 VDC
- Tma 70 degree C minimum and altitude 2000m, if need further assistance, please contact manufacture or UL File owner or brand owner further information.
- The DC supply source for the equipment power supplied shall be an UL certified power source and suitable for specification, rated 1) 12-58Vdc, 1A min. (for Non PoE mode), 2) 48-57Vdc,6A min. (for PoE mode), 3) 51-57Vdc, 5A min. (for PoE+ mode) minimum Tma 70 degree C minimum provided by the manufacturer.
- The power cable connection wire type: copper, Please use the jacked power cable with 18AWG minimum to connect between the equipment and power source.
- The means of power cord should be connected to a socket-outlet with earthing connection.
- This equipment is only to be connected to PoE networks without routing to outside plants.
- Suitable for installation in Information Technology Rooms in accordance with Article 645 of the national Electrical Code and NFPA 75.
- PoE ports loaded total max. 240W (PoE: max. 15W/port; PoE+: max. 30W/port).

Pin Assignments and Connections

10/100/1000BASE-T(X) Ethernet Pinouts

RJ-45								
	10/100BASE-T(X)							
Pin	1	2	3	4	5	6	7	8
Signal	Tx+	Tx -	Rx+			Rx -		
1000BASE-T								
Pin	1	2	3	4	5	6	7	8
Signal	BI_DA+	BI_DA-	BI_DB+	BI_DC+	BI_DC-	BI_DB-	BI_DD+	BI_DD-

Field Maintenance and Service

If the device requires servicing of any kind, you may need to disconnect and remove it from its mounting. The initial installation should be done in a way that makes this as convenient as possible.

- Voltage/Power lines should be properly insulated as well as other cables. Be careful when handling the so as to not trip over
- Do not under any circumstance insert foreign objects of any kind into the heat dissipation holes located in the different faces of the device. This may not only harm the internal layout but might cause harm to you as well.
- Do not under any circumstance open the device for any reason. Please contact your dealer for any repair needed or follow the instructions on section of your User's Manual.

Warranty Policy

Warranty Conditions

Products supplied by ATOP Technologies are covered in this warranty for sub-standard performance or defective workmanship. The warranty is not, however, extended to goods damaged in the following circumstances:

- (a) Excessive forces or impacts
- (b) War or an Act of God: wind storm, fire, flood, electric shock, earthquake
- (c) Use of unqualified power supply, connectors, or unauthorized parts/kits
- (d) Replacement with unauthorized parts

RMA and Shipping Costs Reimbursement

Customers shall always obtain an authorized "RMA" number from ATOP before shipping the goods to be repaired to ATOP. When in normal use, a sold product shall be replaced with a new one within 3 months after purchase. The shipping cost from the customer to ATOP will be reimbursed by ATOP.

After 3 months and still within the warranty period, it is up to ATOP whether to replace the unit with a new one; normally, as long as a product is under warranty, all parts and labor are free of charge to the customers.

After the warranty period, the customer shall cover the cost for parts and labor.Three months after purchase, the shipping cost from the customer to ATOP will not be reimbursed, but the shipping cost from ATOP to the customer will be paid by ATOP.

Limited Liability

ATOP shall not be held responsible for any consequential losses from using ATOP's product.

Warranty Period

Product Categories	Warranty	Product Categories	Warranty
Ethernet Switches /GM	5 Years	DIN-Rail Power Supplies	3 Years
Wireless			
Serial Device Servers		Antennas	1 Year
Modbus Gateways			
Media Converters		Power Adaptors	
Embedded Device Servers		Other Accessories	
Grandmaster/ NTP Timeserver			

The warranty certification will not be effective until an authorized stamp issued by ATOP's overseas agents.

Purchase Date: / / (yyyy/mm/dd)

Serial Number

ATOP Customer Services and Support

1. Contact your local dealers or ATOP Technical Support Center at the following number: +886-3-550-8137
- 2.Report any problems via ATOP's website or email
🌐 www.atoponline.com ✉ service@atop.com.tw

