



Atop Technologies, Inc.

Industrial DIN-Rail Unmanaged Ethernet Switch
EH2308-PR / EH2304-PR

8/4-port Industrial Unmanaged Ethernet Switch

Hardware Installation Guide

Version 1.0

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Introduction

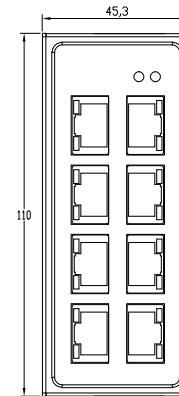
Thank you for purchasing Atop EH-series Industrial Ethernet Switch. This document intends to provide customers with brief descriptions about the product and assist our customers in using our devices.

Inside the Package

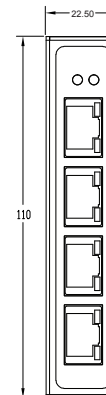
- Main Product
 - One EH2308-PR or EH2304-PR device
- Standard Accessories
 - Terminal block for power input
 - The hardcopy of EH-series Hardware Installation Guide
- Optional Accessories
 - US315-12(US), AC100V~240V 50/60HZ 12V/1.25A, US Plug
→ Atop PN:50500151120009G
 - US315-12(EU), AC100V~240V 50/60HZ 12V/1.25A, EU Plug
→ Atop PN:50500151120019G

Product Description

- EH2308-PR ▶**
8-Port Unmanaged Fast Ethernet Switch
- 8-port of 10/100Base-TX with RJ-45 connector



- EH2304-PR ▶**
4-Port Unmanaged Fast Ethernet Switch
- 4 ports of 10/100Base-TX with RJ-45 connector



Hardware Installation

Step1: Installation on "DIN-Rail"

- All EH2308-PR and EH2304-PR Switches are equipped with a DIN-Rail bracket attached onto the rear panel. Please follow the below steps to fasten the switch to the DIN-Rail correctly.
 - Tip the switch forward and press it against the DIN-Rail after align the bracket springs to the DIN-Rail.
 - Press the bracket against the upper ledge of the DIN-Rail until it clicks.

Notice: The EH2308-PR and EH2304-PR Switches are designed to be mounted on a well-grounded place, such as a metal panel.

Step2: Connecting the Power

- Prepare the suitable power source and connect it into EH Switch by Terminal Blocks (TB5).
- DC 9 - 48V for EH2308-PR and EH2304-PR switch product.
- You can connect two DC inputs for EH2308-PR and EH2304-PR switch power if auto-backup needed.
- Check P1/P2 power LED. The LED(s) will be lighted when the device is ready.

5-pin Terminal Block for Power Input

	Pin	V+	V-	F.G.
	Signal	DC9 - 48V	0V	Frame Ground

Warning: Before connecting EH2308-PR and EH2304-PR Switches to the DC power input, please make sure the DC voltage supplied by the power source is correct and stable.

Step3: Connecting the Network Devices

- Connect your devices using standard UTP/STP cable with RJ-45 connectors to EH2308-PR and EH2304-PR switch. (For the cable wiring diagrams, please refer to section 7)
- The corresponding RJ-45 LED will be lighted if the Ethernet connection is linked successfully.
- The LED will be blinked during data transfer by EH2308-PR and EH2304-PR switch.

※ Equipment intended for installation in Restricted Access Location
 ※ UL Notice for Power supplier
 All the series of EH products are intended to be supplied by a Listed Power Source.

LED Indicators

There are four LED indicators located at the front panel of EH series.

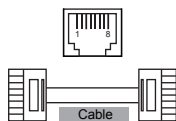
Name	LED	Status	Description
P1/P2	Green	Off	Power input 1/2 is not plugged yet
		On	Power status is ready
RJ-45	Green	Off	Link is broken, or no cable is plugged in
		On	The Port is linked
		Blink	The device is transferring data through the port
	Yellow	Off	The link is operating at rate of 10 Mbps
		On	The link is operating at rate of 100 Mbps

Configuration and Setting Methods

Any settings or configurations are unnecessary.

Pin Assignment of Network Connections

RJ-45(8-pin) to RJ-45(8-pin) straight-through cable wiring



10/100BaseT(X) Ethernet Port Connection

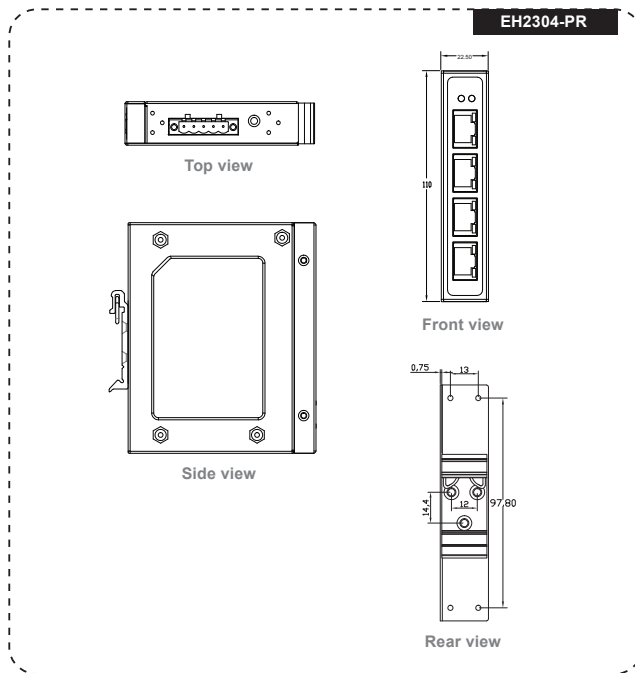
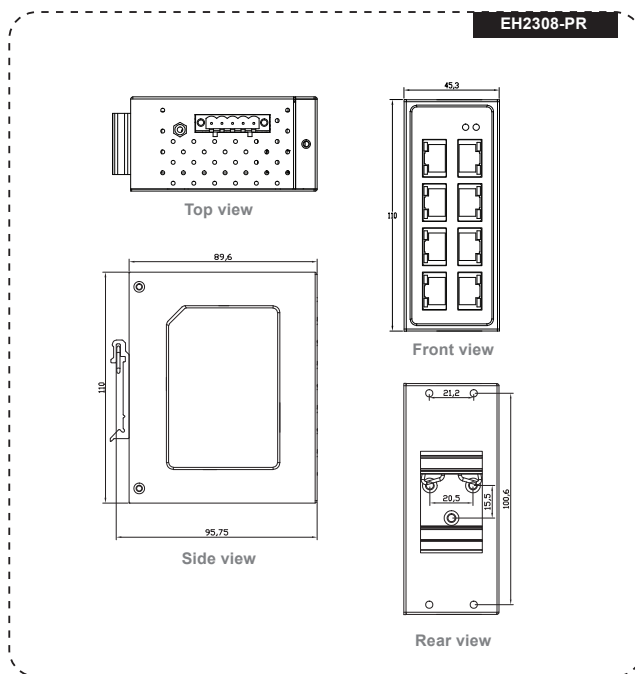
RJ-45								
Pin	1	2	3	4	5	6	7	8
Signal	Tx+	Tx-	Rx+			Rx-		

RJ45(8-pin) to RJ45(8-pin) cross-over cable wiring

10/100BaseT(X) Ethernet Port Connection

RJ-45								
Pin	1	2	3	4	5	6	7	8
Signal	Rx+	Rx-	Tx+			Tx-		

Mechanical dimensions (unit=mm)



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 maintenance procedure
- (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	5 Years	DIN-Rail Power Supplies	3 Years
Wireless		Power Adaptors	1 Year
Serial Device Servers		Antennas	
Modbus Gateways		Other Accessories	
Embedded Device Servers			

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 Supports

1. Please contact your local dealers or Atop Technical Support Center at the following numbers.
 - + 886-3-550-8137 (Atop Taiwan)
 - + 86-21-6495-6232 (Atop China)
2. Please report the defected problems via Atop's Web site or E-mail account
 - Web Site : www.atop.com.tw, e-mail : service@atop.com.tw
 - Web Site : www.atop.com.cn, e-mail : service@atop.com.cn