



Atop Technologies, Inc.

Industrial Managed Ethernet Switches

EH7506/EH7508/EH7512 Series

Hardware Installation Guide

Version 1.0
Updated in October, 2014



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Package Check List

Inside the package you will find the following items:

- Industrial Managed Ethernet Switch x 1
- 4-Pin 5.08mm Lockable Terminal Block (Already mounted to the device) x 1
- 5-Pin 5.08mm Lockable Terminal Block (Already mounted to the device) x 1
- DIN-Rail Kit (Already mounted to the device) x 1
- Protective caps for all SFP and PoE ports (Depend on purchased model)
- Installation Guide with Warranty Card x 1
- CD (User's Manual / Installation Guide / Management Utility) x 1

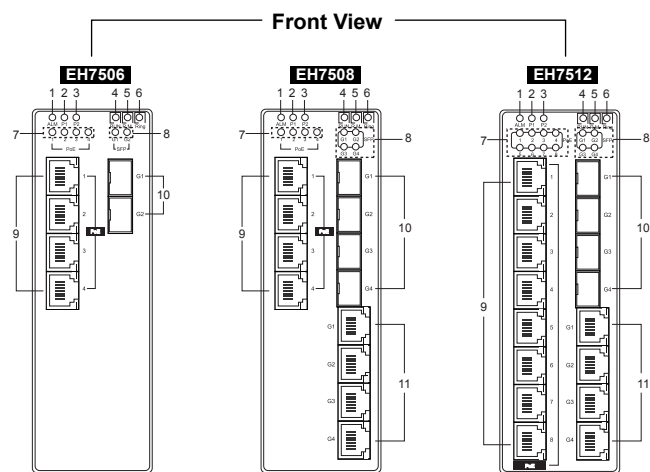
Never install or work on electrical or cabling during periods of lighting activity.
Never connect or disconnect power when hazardous gases are present.

Warning: Hot Surface Do Not Touch. RESTRICTED ACCESS AREA: The equipment should only be installed in a Restricted Access Area.

Caution: CLASS 1 LASER PRODUCT. Do not stare into the laser!

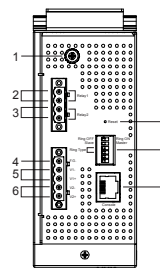
The product is to be connected only to PoE networks without routing to the outside plant.

Product Layout



- | | |
|--------------------|---|
| 1. Alarm LED | 7. PoE LEDs |
| 2. PWR1 LED | 1~4 for 4-port PoE models |
| 3. PWR2 LED | 1~8 for 8-port PoE models |
| 4. RUN LED | 8. SFP Gigabit Ports LEDs |
| 5. Ring Master LED | G1~G2 for 2-port Gigabit SFP models |
| 6. Ring LED | G1~G4 for 4-port Gigabit SFP models |
| | 9. 10/100 BASE-T(X) Ports and/or 10/100 BASE-T(X) PoE Ports |
| | 10. 10/100/1000 BASE-X SFP Combo Slots |
| | 11. 10/100/1000 BASE-X RJ-45 Combo Ports |

Top View



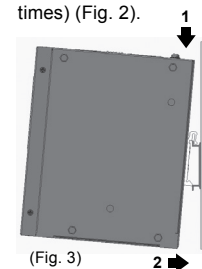
1. Grounding Screw
2. Relay Output 1 with current carrying capacity of 2A@30 VDC
3. Relay Output 2 with current carrying capacity of 2A@30 VDC
4. Frame Ground
5. Terminal for PWR1
6. Terminal for PWR2
7. RS-232 Console
8. DIP Switches
9. Reset to Default Button

Installation Overview

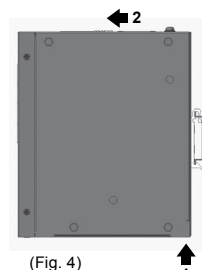
The device's appearance is as in the figure below.

1. If you have purchased the wall mount kit, proceed to place the screws on the back of the device as shown in (Fig. 1)

2. 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 with it 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. 2).



(Fig. 3)

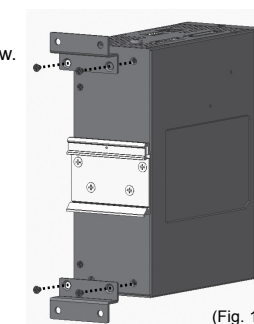


(Fig. 4)

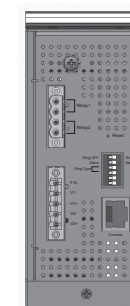
3. You can then choose whether to plug in the I/O ports at this point or do it later depending on the actual location of the device or level of comfort for performing such operation. **Remember to plug in the protective caps for the unused SFP and PoE ports.**

4. Once the plate has been firmly put in place, proceed to mount the whole device as shown in (Fig. 3). Proceed to (Fig. 4) if you want to remove the device from DIN-Rail.

5. 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.



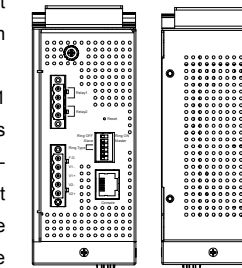
(Fig. 1)



(Fig. 2)

■ The opening to the sides are for the device's heat dissipation please never obstruct or cover them with any objects or try to insert them through it.

■ This switch's factory IP by default is 10.0.50.1 you can access the device by its Web UI once it is connected to a physical network (or using Management Utility, for more information on Management Utility, please refer to its manual). Please be aware that the PC needed for this procedure needs to be in the same subnet, or you may refer yourself to the device User's Manual.



LED Indicators

Name	Color	Status	Message
P1	Green	On	Power is being supplied to this power input
P2		Off	Power is not supplied to this power input
ALM	Red	On	Alarm is triggered by user defined events
		Off	Alarm is not triggered by user defined events
RUN	Green	Blinking	AP firmware is running normally
		Off	System is not ready or halt
Ring	Green	Blinking	Ring is enabled
		On	Ring is connected successfully
		Off	Ring is disabled
R.M.	Green	On	The device is a Master of the ERPS Ring or iA-Ring
		Off	The device is a Slave of the ERPS Ring or iA-Ring
SFP	Green	On	Port is linked and data is transmitting on this port
		Off	No data is transmitting
PoE	Yellow	On	Power is being supplied to a Powered Device (PD)
		Off	Power is not supplied to a PD
LAN	Amber	On	Ethernet is connected at 100Mbps
		Off	Ethernet is connected at 10Mbps or Disconnected
	Green	Blinking	Data is transmitting on this port
		Off	Ethernet is Disconnected

