Atop Technologies, Inc.

Industrial DIN-Rail Unmanaged Ethernet Switch
EH2006
EH2005-Fs
EH2005-Fm
5/6-port Industrial Unmanaged Ethernet Switch

Hardware Installation Guide
Version 1.3
Updated on October 1, 2010

| **EH2006** | **EH2005-Fs** | **EH2005-Fm** |

1. Introduction

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

2. Inside the Package

-Main Product
- EH2005-Fs/Fm or EH2006 Device
- Standard Accessories
- Terminal Block for Power input x2
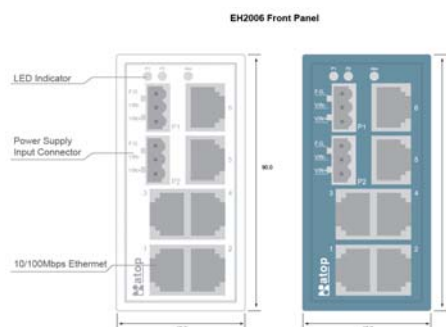- Hardcopy of EH series Quick Installing Guide x 1
- Optional Accessories
- US315-12(US), AC100~240V 50/60HZ 12V/1.25A, US Plug (optional)
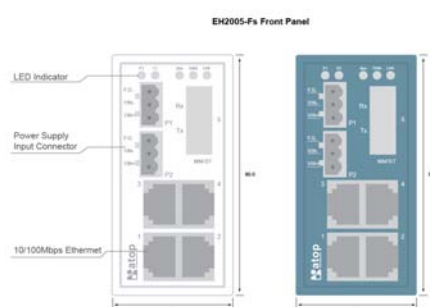- US315-12(EU), AC100~240V 50/60HZ 12V/1.25A, EU Plug (optional)

3. Product outline

EH2006

The EH2006 supports six 10/100 base-TX Fast Ethernet connections with RJ-45 connectors


EH2006 Front Panel

EH2005-Fs

The EH2005-Fs supports four 10/100 base-TX Fast Ethernet with RJ45 connectors and one 100Base-FX single-mode Fiber connection with SC connector

EH2005-Fs Front Panel

EH2005-Fm

The EH2005-Fm supports four 10/100 base-TX Fast Ethernet with RJ-45 connectors and one 100Base-FX multi-mode Fiber connection with ST connector

EH2005-Fm Front Panel
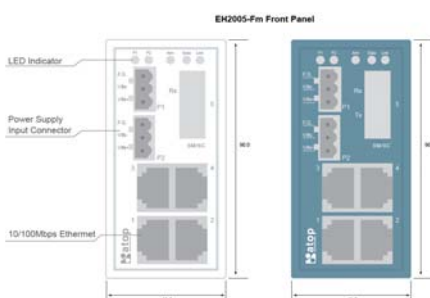
4. Hardware Installation

Step1: Connect to Power
- Prepare suitable DC 9~30V power source and connected to EH switch by 3-pin Terminal blocks.
- You can connected two DC input for power auto-backup need.
- Check P1/P2 LED for correct power source, everything is OK if the LES(s) was lighted

Step2: Connect to Network Device by Ethernet
- Connected your device by standard UTP/STP cable with RJ-45 connectors to EH switch.
- The LINK LED will be lighted if the Ethernet connection was linked.
- It is indicated and blinked if data was transfer by EH switch hub.

UL Notice for Power supplier
All the series of EH products are intended to be supplied by a Listed Power Unit marked with "LPS", "Limited Power Source" or "Class 2" and output rate 9-30VDC, 0.6A. Or, use the recommended power supply in "Optional Accessories.

5. LED Indicators

There are four LED indicators located at the front panel of EH series.
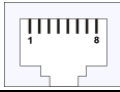
Name	LED	Status	Description
ALM	RED	Off	Everything is OK
		On	Something is wrong. It will be lighted, if the any power input was fail, or the network port was broken.
P1/P2	Green	Off	Power input 1/2 is not plugged yet
		On	Power status is Ready
RJ45	Green	Off	Link is Boren or Cable not be plugged
		Blink	Traffic be indicted for data transfer
	Yellow	Off	10M rate be active
		On	100M rate be active
Fiber SC/ST	Data	Off	No data be transmitted
		Blink	Working when data transmitted
	Link	Off	No media be available
		On	Working when media was ready

7. Configuration and Setting Methods

Any settings or configurations are unnecessary.
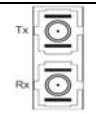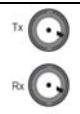
- 2 -

8. Pin assignment of Network Connections
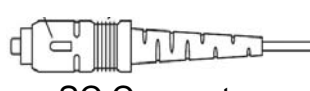
10/100BaseT(X) Ethernet Port Connection
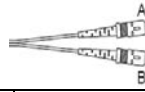
RJ-45								
Pin	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Signal	Tx+	Tx-	Rx+			Rx-		

100BaseFx Fiber Cable Wring
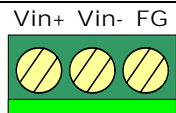
-SC/ST Connectors

	SC Connectors	**ST Connecters**
Fiber port		
	Single-Mode	**Multi-mode**

-Cable Wiring

ST Connector					
	TX	A	←→	B	**RX**
	RX	B	←→	A	**TX**
SC Connector					
	TX	A	←→	B	**RX**
	RX	B	←→	A	**TX**

Terminal Block for Power input

	Vin+	Vin-	FG
Pin	**Vin+**	**Vin-**	**FG**
Signal	DC9-30V	0V	Frame Ground

9. 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