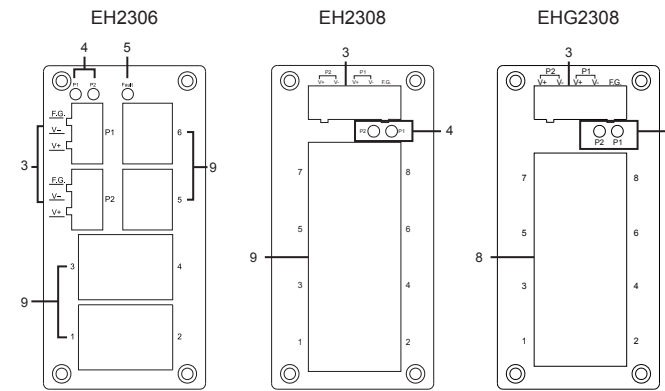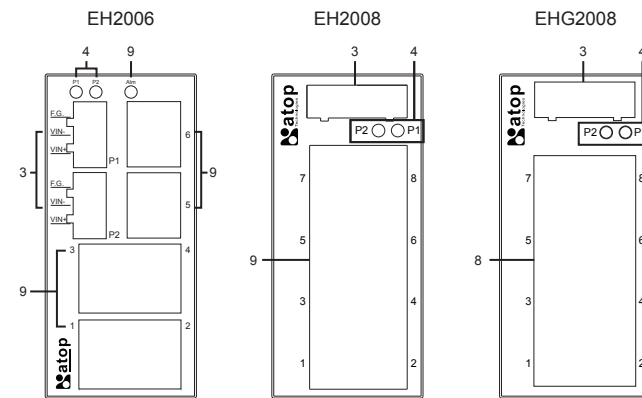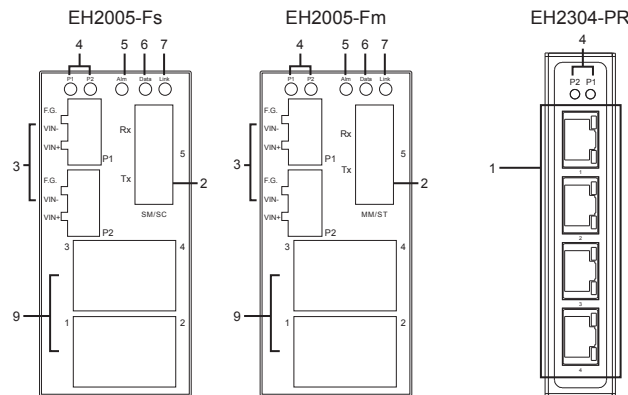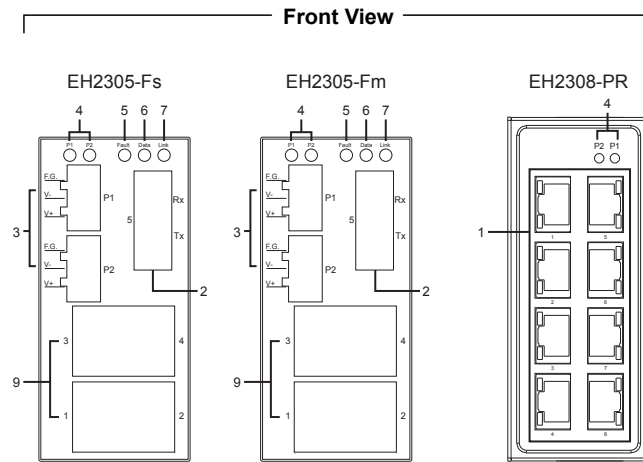## Package Check List

Inside the package you will find the following items:

- Unmanaged Ethernet Switch x 1
- 3-Pin Terminal Block*2 or 5-Pin Lockable or Unlockable Terminal Block*1
- Fiber SC/ST Connecter cover x 1~2 depend on purchase product
- DIN-Rail Kit (Already mounted to the plastic housing device) x 1
  with screw x2 (M4L13) depend on purchase product
- Installation Guide with Warranty Card x 1

⚠ Never install or work on electrical or cabling during periods of lightning 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!

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

Product Layout

Front View

EH2305-Fs   EH2305-Fm   EH2308-PR

EH2005-Fs   EH2005-Fm   EH2304-PR

EH2006   EH2008   EHG2008
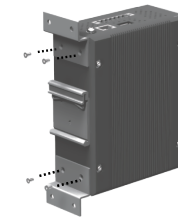
EH2306   EH2308   EHG2308

1. ALM LED
2. Fiber Connector
3. Power Input 1 / 2
4. PWR1-2 LEDs
5. Fault LED
6. Data LED
7. Link LED
8. 10/100/1000M RJ45 Port
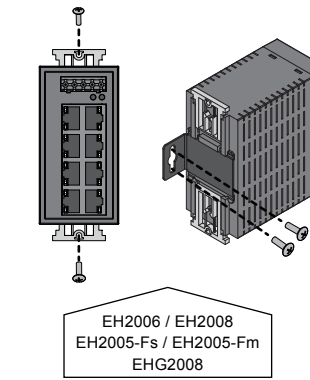9. 10/100M RJ45 Ports

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 show 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 and damage your equipment.
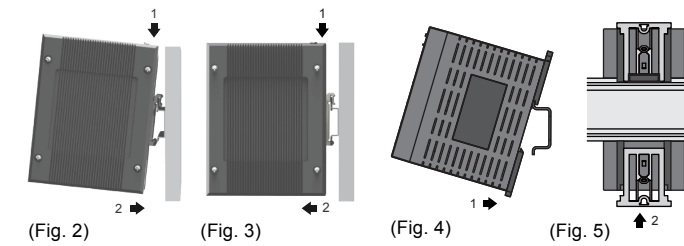

EH2305-Fm / EH2305-Fs
EH2304-PR / EH2308-PR
EHG2308 / EH2306 / E2308
(Fig. 1)

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)

3. 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.

EH2006 / EH2008
EH2005-Fs / EH2005-Fm
EHG2008
(Fig. 1)

4. Once the plate has been firmly put in place, proceed to mount the whole device as shown in (Fig. 2 / Fig. 4 depend on model).Proceed to (Fig. 3 / Fig 5 depend on model) if you want to remove the device from DIN-Rail.

(Fig. 2)   (Fig. 3)   (Fig. 4)   (Fig. 5)

EH2305-Fm / EH2305-Fs
EH2306 / E2308
EH2304-PR / EH2308-PR / EHG2308

EH2006 / EH2008
EHG2008
EH2005-Fs / EH2005-Fm

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

- 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.

EH2005-Fs
EH2005-Fm
EH2006
EH2008
EHG2008
EH2304-PR   EH2308-PR
EH2305-Fs
EH2305-Fm
EH2306
EH2308
EHG2308
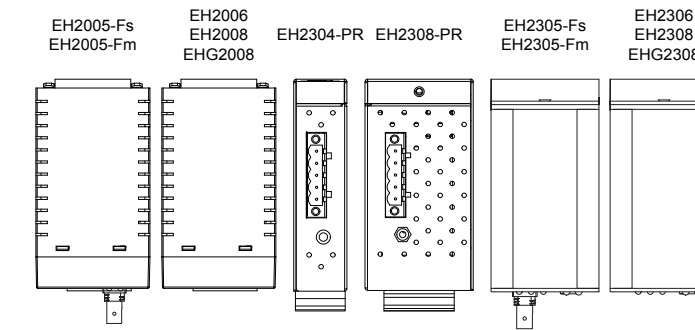
Power Requirements

This product is intended to be supplied by an UL62368-1, IEC62368-1 or IEC60950-1 certify Power Unit marked "LPS" and rated output rating: 9-48 Vdc, 0.35 A minimum, 60°C

Power Input : EH2005-Fx / EH2005-Fm : 9-30V DC ; 0.6A Max
EH2006 : 9-30V DC ; 0.6A Max
EH2008 : 9-48V DC ; 0.35A Max
EH2304-PR : 9-48V DC ; 0.4A Max
EH2308-PR : 9-48V DC ; 0.6A Max
EH2305-Fm / EH2305-Fs : 9-30V DC ; 0.6A Max
EH2306 : 9-30V DC ; 0.6A Max
EH2308 : 9-48V DC ; 0.35A Max
EHG2008 : 9-48 VDC , 0.45A Max
EHG2308 : 9-48 VDC , 0.45A Max

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 handing 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.
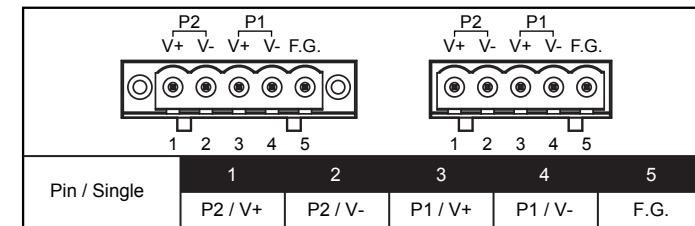
LED Indicators

Name	LED	State	Description
ALM	Green	Off	Both P1 and P2 on or off
		On	Either P1 or P2 on
P1/P2	Green	Off	Power input 1/2 is not plugged yet
		On	Power status is Ready
LAN	Amber	On	Ethernet is linked at 1000Mbps (Depend on Product)
		Blinking	Ethernet is linked at 100Mbps
		Off	Ethernet is linked at 10Mbps
	Green	Blinking	Ethernet is linked
		Off	Ethernet is active and data is being transmitted
		On	Ethernet is not linked
Fiber SC/ST	Data	Off	No data be transmitted
		Blinking	Working when data transmitted
	Link	Off	No media be available
		On	Working when media was ready

Pin Assignments and Connections

10/100/1000 BASE-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(X)								
Pin	1	2	3	4	5	6	7	8
Signal	TP1+	TP1-	TP2+	TP2-	TP3+	TP3-	TP4+	TP4-

EH2304-PR / EH2308-PR / EH2308 / EHG2008 / EHG2308

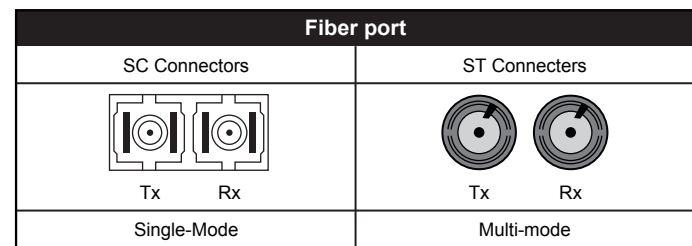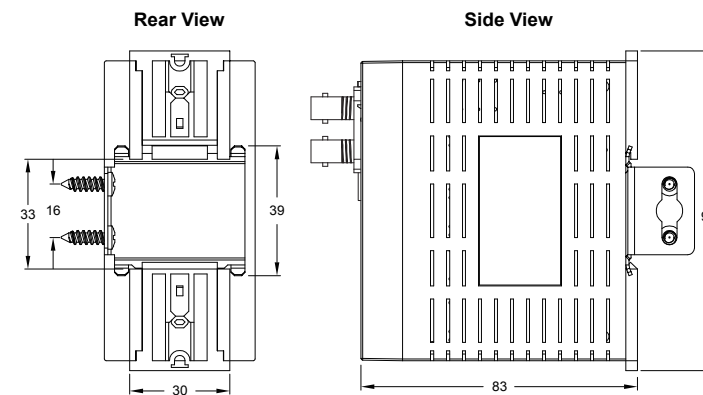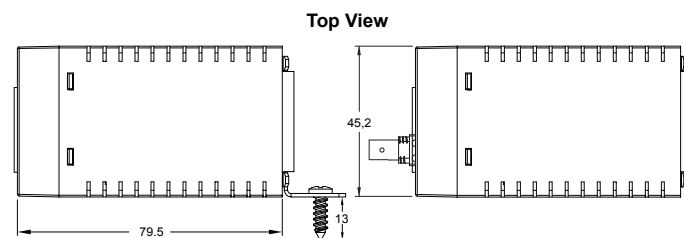| Pin / Single	1	2	3	4	5
	P2 / V+	P2 / V-	P1 / V+	P1 / V-	F.G.

EH2005-Fx / EH2005-Fm / EH2006 / EH2305-Fm / EH2305-Fs / EH2306

Pin / Single	1	2	3
	F.G.	VIN-	VIN+

Cable Wiring

ST Connector

Tx	A	←→	B	Rx
Rx	B	←→	A	Tx

SC Connector

Tx	A	←→	B	Rx
Rx	B	←→	A	Tx

100BaseFx Fiber Cable Wring
-SC/ST Connectors

Fiber port	
SC Connectors	ST Connecters
Tx Rx	Tx Rx
Single-Mode	Multi-mode
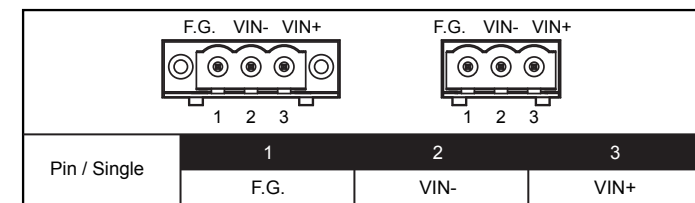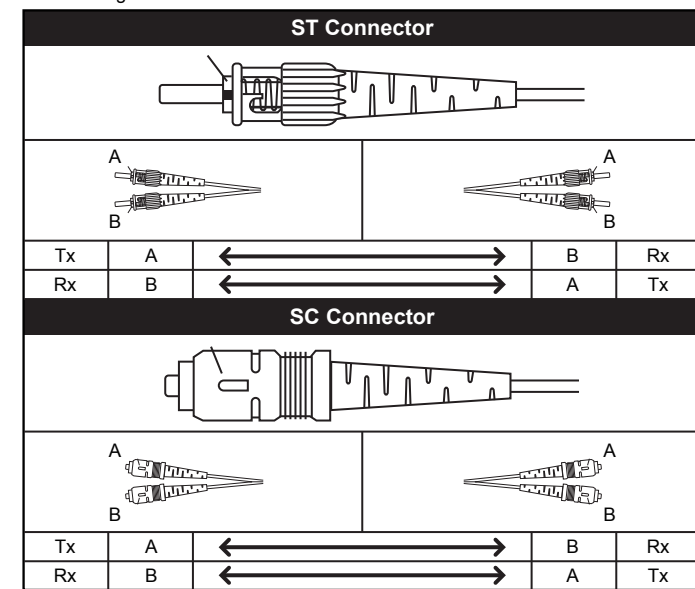
Mechanical Dimensions (Unit=mm)
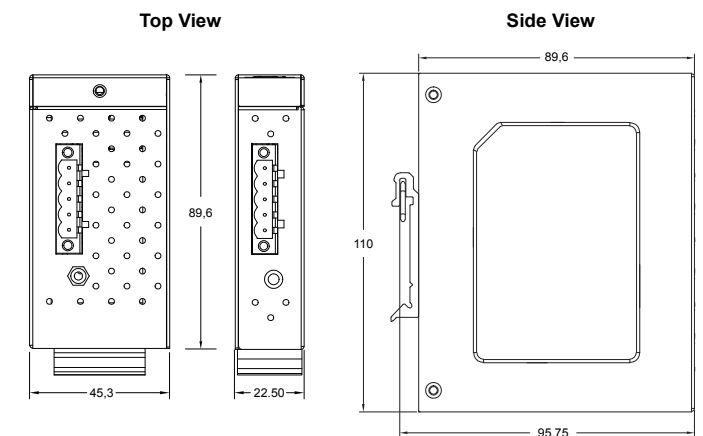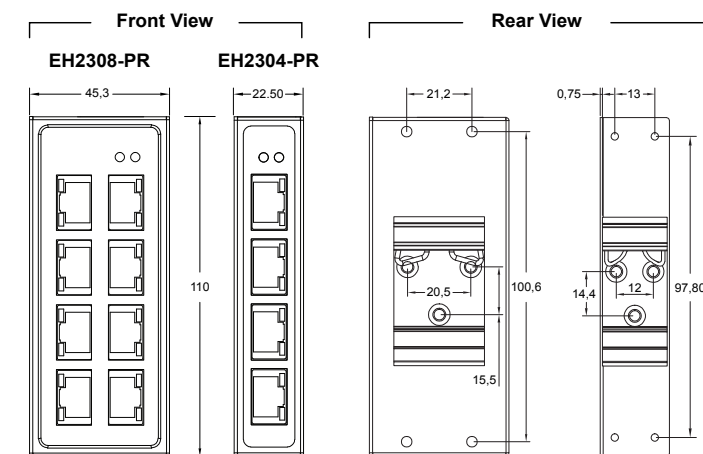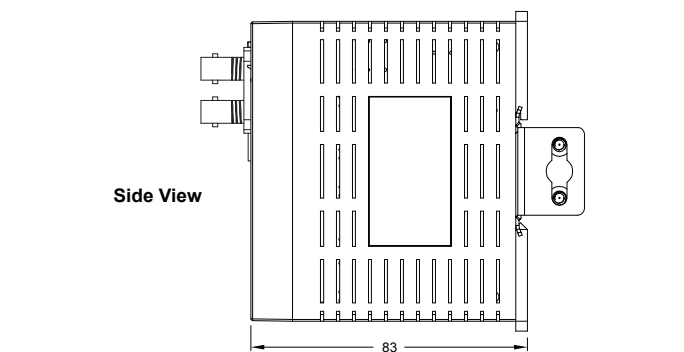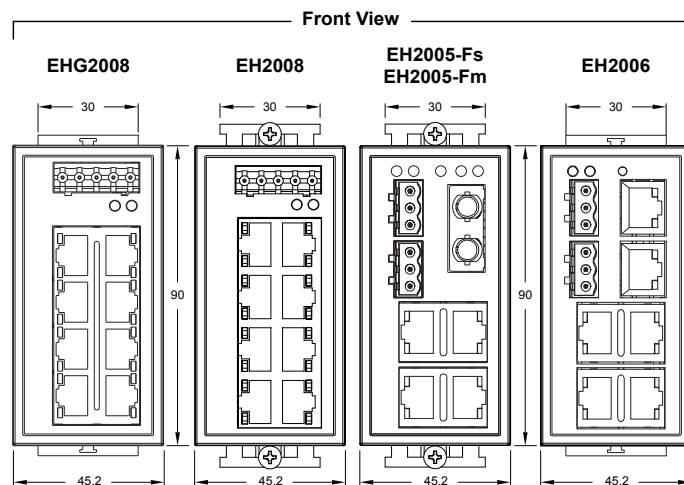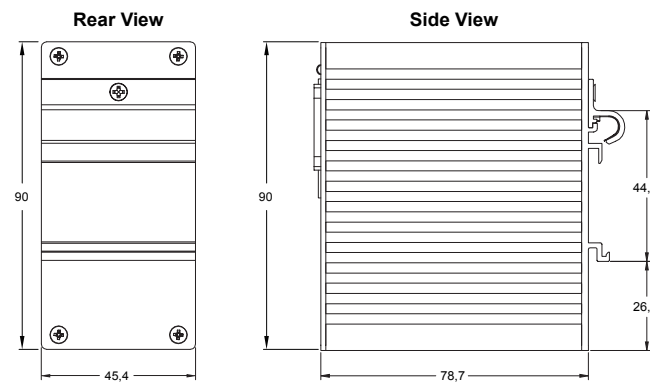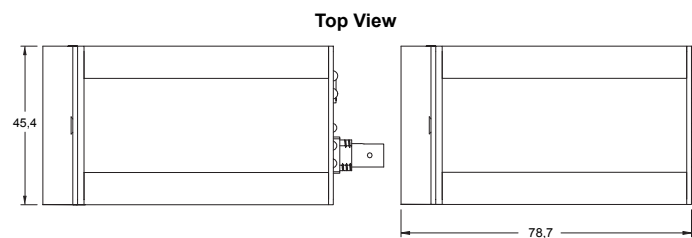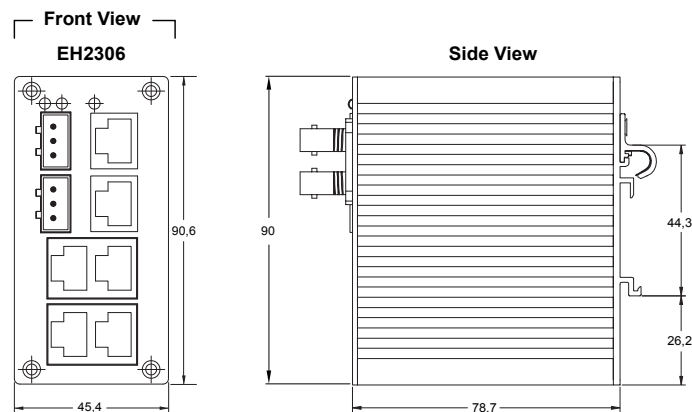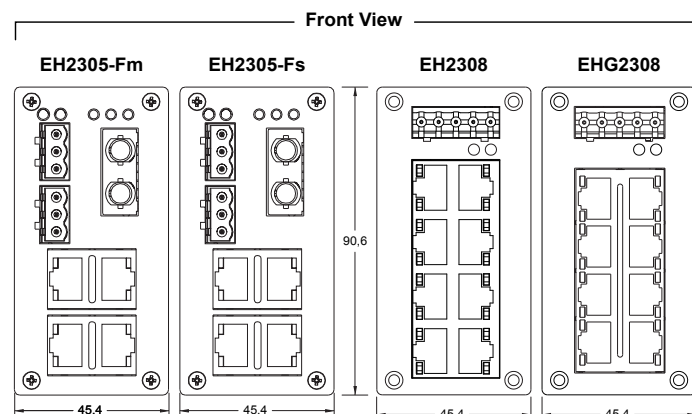
Warranty Policy

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

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

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

Serial Number
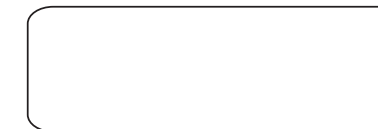
Atop Customer Services and Supports

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

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

— **Any changes to this material will be announced on Atop website.** —