



Atop Technologies, Inc.

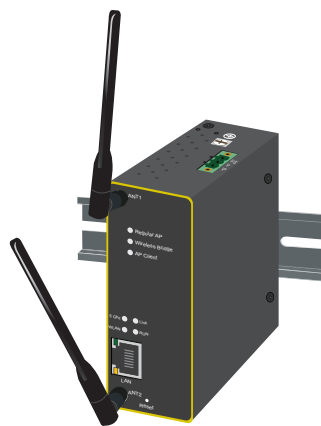
## Industrial Wireless Access Point

AW5500

## Hardware Installation Guide

Version 1.0

Updated on Dec, 2011



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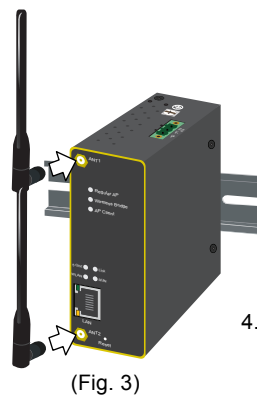
P/N: 89900411

## Installation Overview

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

1. There are mounting plates and screws that come inside the package. Proceed to place the screws on the back of the device as shown in (Fig. 1).

2. There is a screw close to the power terminal block this screw is used to connect the grounding of the AW5500. Although internal grounding has been done inside, in order to ensure overall maximum performance and protect your device it is still strongly advised to link this point to the ground as well; hazardous ESD can come into contact with it and damage your equipment. On the terminal block, there is a terminal for Frame Ground, you can choose whether to connect it the grounding, you may opt between only one of these two grounds ( the one chosen should be connected at all times).(Fig. 2)



(Fig. 3)

3. Proceed then to fix the antennas to the female RP-SMA connectors deemed to, (Fig. 3). You can then choose whether to place the terminal block at this point or do it later depending on the actual location of the device or level of comfort for performing such operation.

4. Once the plate has been firmly put in place, proceed to mount the whole device as shown in (Fig. 4).

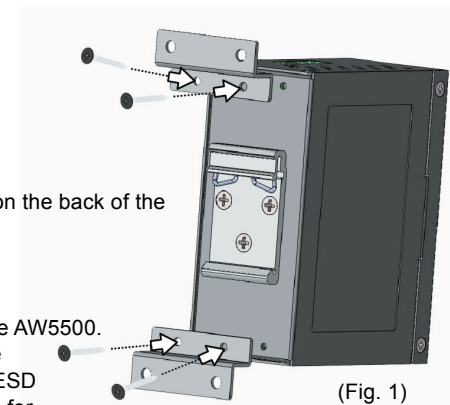
5. Next we can then proceed to connect the device to the LAN (switch or PC, depending on the case), take care on using an RJ45 terminal/connector; after this we can then proceed to the device's settings.

Other points to take into consideration when installing the device follow next.

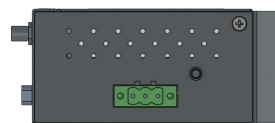
- The antennas are 3dBi (at 2.4 GHz) and a 5 dBi (at 5GHz); once fixed to the rail, do not place them parallel, otherwise their signal will interfere with each other.

### Note:

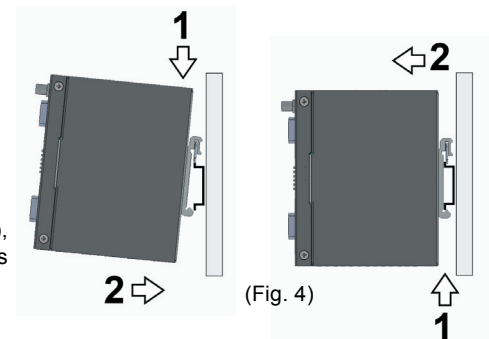
The first two pictures illustrate **not recommended** setup for the AW5500; signal will strongly decrease with the antennas on this position.



(Fig. 1)



(Fig. 2)



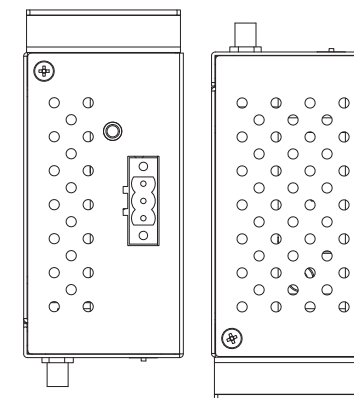
(Fig. 4)

- If the device is not going to be placed on the rail and to be positioned horizontally, then the antennas could be setup making a "V" shape, (Fig. 5).



(Fig. 5)

- The openings to the sides are for the device's heat dissipation and there may be inside hazardous voltages, please never obstruct or cover them with any objects or try to insert them through it.



- AW5500's factory IP by default is 10.0.50.200 you can access the device by its Web UI once it is connected to a physical network (or using DeviceView, for more information on DeviceView, please refer to the manual, Chapter 3). Please be aware that the PC needed for this procedure needs to be in the same subnet, or you may refer yourself to the User's Manual on Sec. 3.1.

## 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 them 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.

Package Check List

- Inside the package you will find the following items:
- Industrial Wireless Access Point\_AW5500 x 1
  - 3 ~ 5 dBi antenna x 2
  - 3-Pin 5.08mm Lockable Terminal Block x 1
  - Din Rail Kit x 1 (Already mounted to the device)
  - Installation Guide + Warranty Card x 1
  - CD (User's Manual / Installation Guide / Device View Utility) x 1

LED indicators

Name	Color	Status	Description
AP Mode	Green	On	Enabled
		Blinking	Enabled/no wireless client
		Off	Disabled
WDS Bridge Mode	Green	On	Enabled/all WDS connected
		Blinking	Enabled/not the connected
		Off	Disabled
AP Client Mode	Green	On	Enabled and connected to an AP
		Blinking	Enabled but not connected to an AP
		Off	Disabled
5Ghz	Red	On	Running on 5 Ghz band
		Off	Not running on 2.4 Ghz band
Locate	Red	Blinking	Locating
		Off	Not located
LAN	Orange	On	Connected
		Off	Disconnected
	Green	Blinking	Data transmitting
WLAN	Green	On	Enabled
		Blinking	Enabled and transmitting
		Off	Disabled
RUN	Green	Off	System not ready or halt
		Blinking	Firmware running normally

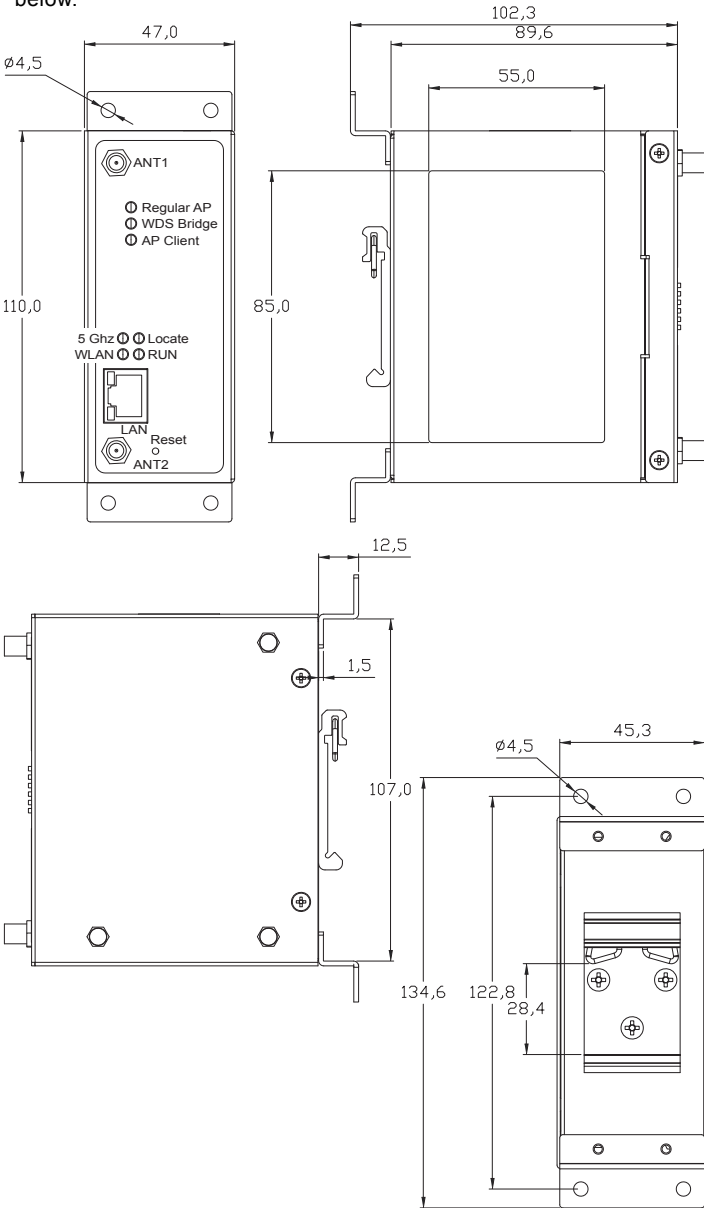
- ※ In Wireless + AP Mode, AP LED and WDS Bridge LED will go on together.
- ※ If WLAN (radio) is turned off, mode LEDs (AP, WDS Bridge, and AP Client) should all go off.

Device Dimensions,  
Physical appearance and Mounting

Proceed to mount the AW5500 in a dry location free from dirt and corrosive vapors, for more questions on environmental limitations please refer to the User's manual.

▪ Unit Dimensions and Layout (unit=mm)

The Industrial Wireless Access Point and dimensions are shown below.



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
Ethernet Switches	5 Years
Wireless	
Serial Device Servers	
Modbus Gateways	
Embedded Device Servers	3 Years
DIN-Rail Power Supplies	
Power Adaptors	1 Year
Antennas	
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

- 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)
- Please report the defected problems via Atop's Web site or E-mail account  
Web Site : [www.atop.com.tw](http://www.atop.com.tw), e-mail : [service@atop.com.tw](mailto:service@atop.com.tw)  
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