



## Industrial Wireless Access Point

■ ■ AW5500

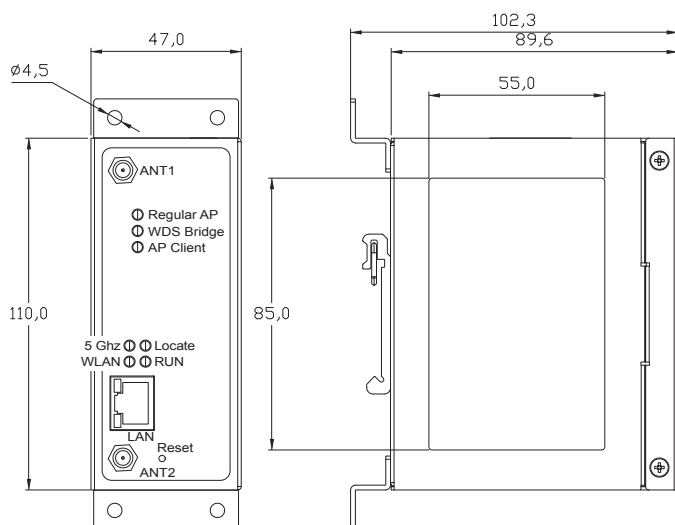
RoHS compliant

- Designed for 802.11a/b/g/n networks
- Operating temperature: -10°C ~ 60°C
- Web server/Utility configuration (Device View)
- Upgrade via Device View or Web server
- 5 GHz frequency support to reduce interference on 2.4 GHz with other wireless devices
- Client isolation
- Different operating modes and topology options (WDS Bridge and AP Client)
- FCC (United States), ETSI (Europe), and NCC (Taiwan) certified wireless equipment

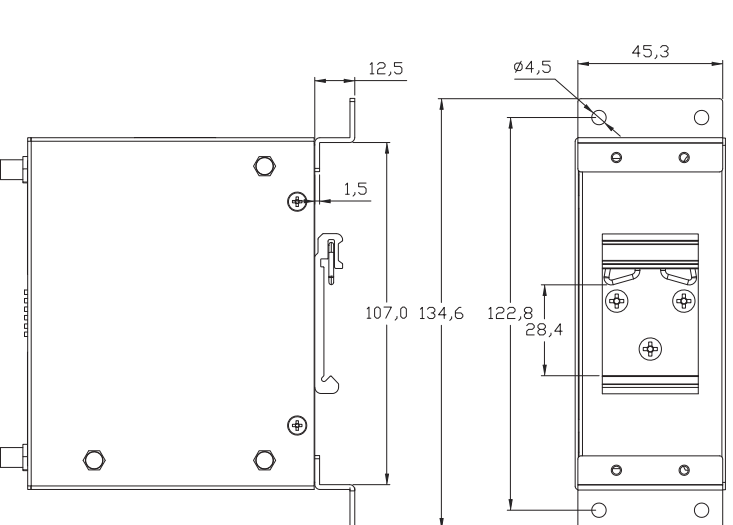
Suitable in a wide array of applications, the new AW5500 is able to withstand harsh conditions typically found in the industry.

AW5500 is also design thinking on your security, state of the art encryption as well as having the ability to create a virtual network among wireless clients; this level of communication between clients can be easily and intuitively controlled using this option, imposing restrictions on data and excluding malware at the same time. AW5500 embodies a strong wireless network manager that will surely deliver optimum performance in your network.

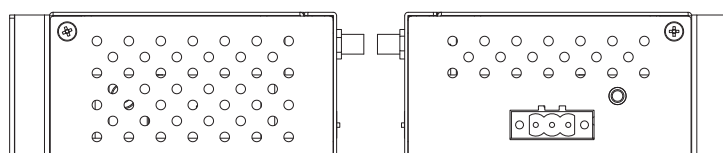
Front and Left Side View



Back and Right Side View



Top and Bottom View



## Specifications

## Power Characteristics

Input Voltage	9VDC-48VDC
Input Current(9VDC)	0.65A
Power Consumption	Approx. 5.85W (max)
Reverse Polarity Protection	Yes
Connection	3-pin Lockable Terminal Block

## Mechanicals

Dimensions	47 * 110 * 90 mm
Installation	DIN-Rail, wall mount (optional kit)
Reset Button	Yes

## Environmental Limits

Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 ~ 95% RH, (non-condensing)

## Hardware Characteristics

Watchdog	Hardware built-in
Ethernet Switch & PHY	IEEE802.3ab 1000 Base-T
Wireless PCI-e Module	Atheros AR9382
Tx / Rx	2T2R MIMO (2x2 with MCS 0-15)
Wireless Standard	802.11a, 802.11b, 802.11g, and 802.11n
Conformance	
Antenna	3/5 dBi Dual antenna design, SMA(R) Female connector

## Regulatory Requirements

EMS	EN55022, EN55024
EMC	EN 301489-1/17 (Class A), FCC 15 Subpart B (Class A), CNS 13438
Radio	FCC 15 Subpart C, FCC 15 Subpart E, EN 301893, EN 300328, NCC LP00002

Test	Item	Value	Level	
EN61000-4-2	ESD	Contact Discharge	±8KV	4
		Air Discharge	±15KV	4
EN61000-4-3	RS	Radiated(Enclosure)	10(V/m)	3
EN61000-4-4	EFT	AC Powe Port	±2.0 KV	3
		LAN Port	±2.0 KV	4
EN61000-4-5	Surge	AC Powe Port	Line-to-Line±1.0 KV	3
		AC Powe Port	Line-to-Earth±2.0 KV	3
		LAN Port	Line-to-Earth±2.0 KV	3
EN61000-4-6	CS	Conducted(Enclosure)	10 V rms	3
EN61000-4-8	PFMF	(Enclosure)	10(A/m)	3

Safety	UL60950-1/CB, EN60950-1, CNS 14336
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
MTBF	(TBD)
RoHS	Yes

## Software Features

Operation Modes	AP, WDS Hybrid, AP Client
Wireless Security	WEP, WPA, WPA2, TKIP, AES, 802.1x
Network Security	Client Isolation, Firewall / Filtering, Turn off Radio
Alerts Events	E-mail / SNMP Trap
Supported Protocol	ICMP, TCP, UDP, DHCP Server/Client, DNS, SNMP, NTP, SMTP, HTTP, IPv4, 802.1x, RADIUS, STP/RSTP

## Warranty

5 years

## Ordering Information

AW5500	P/N:1P1AW55000001G Industrial Wireless Access Point
--------	--

## Optional Accessories

## AD17-24C (US-Y) Power Adapter

P/N: 50500151240002G

Y-Type power adaptor,100-240VAC input,  
0.6A @ 24VDC output, US plug

## AD17-24D (EU-Y) Power Adapter

P/N: 50500151240012G

Y-Type power adaptor,100-240VAC input,  
0.6A @ 24VDC output, EU plug

## Atop Technologies, Inc.

TEL : +886-3-5508137  
 FAX : +886-3-5508131  
 sales@atop.com.tw  
 http : //www.atop.com.tw