Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

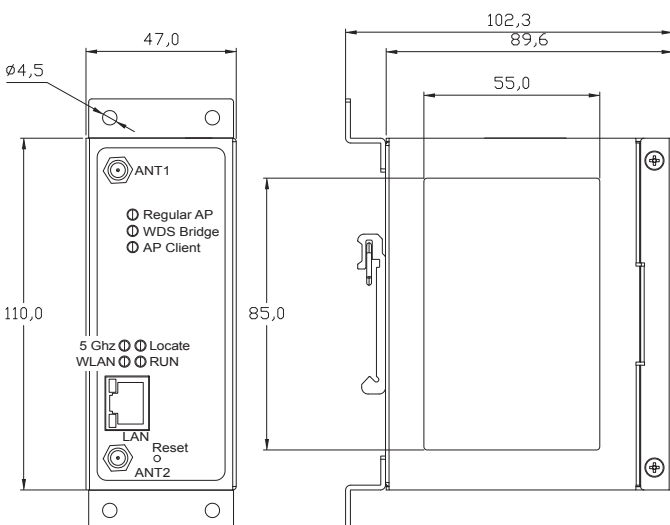## Industrial Wireless Access Point

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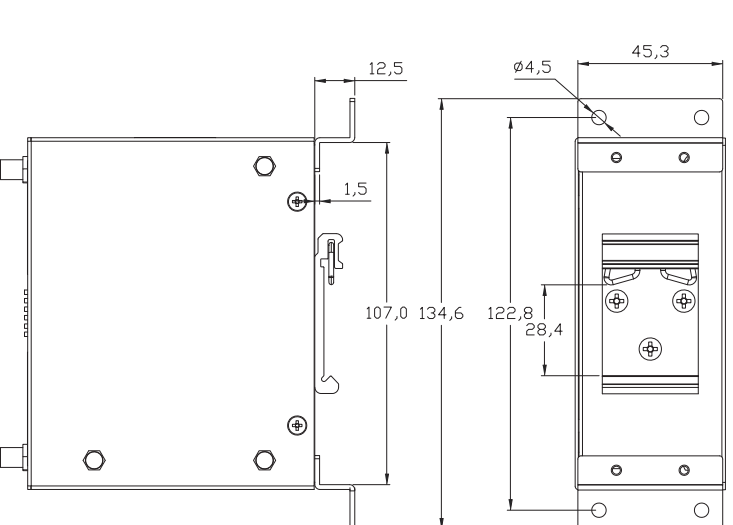
Suitable in a wide array of applications, the new AW5500 is able to withstand harsh conditions typically found in the industry.

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.
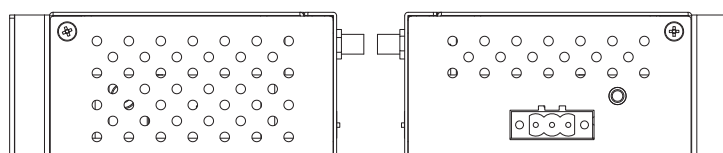
Front and Left Side View

Back and Right Side View

Top and Bottom View

atop
Technologies

Industrial Wireless Access Point ➔ AW5500

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 Conformance	802.11a, 802.11b, 802.11g, and 802.11n
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:1P1AW550000001G 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