



Industrial Networking Solutions

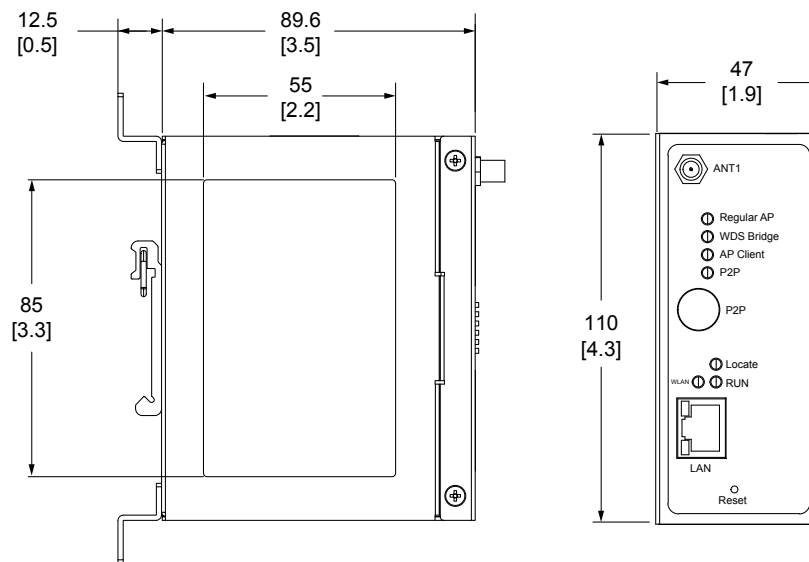
Secure Routers



Industrial Wireless | DIN-Rail/Wall Mount | Metal Housing | IP30 Rating



Industrial Wireless Access Point, IEEE 802.11 b/g/n			
Part Number [MFG #]	Description	10/100/1000 RJ45 Ports	Features
E45WAP-P2P [AW5500C]	IEEE 802.11 b/g/n Access Point/ Bridge/ Client Supporting WiFi Direct	1	On-Click Wifi Paring Wireless Distribution System (WDS)



Feature Highlights:

- Designed for 802.11 b/g/n networks
- Web server/Utility configuration (Device View)
- Upgrade via Device View or Web server
- Client isolation
- Different operating modes and topology options(WDS Bridge and AP Client)
- FCC (United States), ETSI (Europe) certified wireless equipment
- Support WPS(Wi-Fi protected setup)
- Support Wi-Fi Direct (Peer-to-Peer)



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Specifications & Approvals



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Network Interface		
Connector	RJ-45	
Speed	IEEE802.3u, 100 Base-T(X)	
Power Management		
Input Voltage	9VDC-48VDC	
Input Current (9VDC)	0.65A	
Power Consumption	Approx. 5.85W (max)	
Connector	5.08mm 3-pin Lockable Terminal Block	
Reverse Polarity Protection	Yes	
Mechanicals		
Reset Button	Yes	
WPS / Wi-Fi Direct 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)	
Wireless Characteristics		
Wireless PCI-e Module	Atheros AR9382	
Tx / Rx	1T1R MIMO (1 x 1 with MCS 0-7)	
Wireless Standard Conformance	802.11b, 802.11g, and 802.11n	
Antenna	3/5 dBi antenna design, SMA(R) Female connector	
Operating Frequency (2.4 Ghz)		
United States (FCC)	2412-2462(20Mhz)/2422-2452(40Mhz)	
Europe (ETSI)	2412-2472(20Mhz)/2422-2462(40Mhz)	
Data Rate		
802.11b	1, 2, 5.5 and 11Mbps	
802.11g	6, 9, 12, 18, 24, 36, 48, 54Mbps	
802.11n	20 MHz bandwidth	1Nss: 65Mbps @ 800GI, 72.2Mbps @ 400GI (Max.)
	40 MHz bandwidth	1Nss: 135Mbps @ 800GI, 150 Mbps @ 400GI (Max.)

Software Characteristics				
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, WPS, Syslog			
Regulatory Approvals				
Safety	UL60950-1/CB, EN60950-1			
EMC	EN 301489-1 V1.9.2, EN301489-17 V2.2.2 (Class A), FCC 15B (Class A)			
Radio	FCC 15C 15.247, EN 300328 V1.8.1,EN 301893 V1.7.1			
EMF	EN 62311: 2008, EN 50385: 2002			
EMS Test	Item		Value	Level
IEC 61000-4-2	ESD	Contact Discharge	±4KV	2
		Air Discharge	±8KV	3
IEC 61000-4-3	RS	Radiated (Enclosure)	3(V/m)	2
IEC 61000-4-4	EFT	AC Power Port	±2.0 KV	3
		DC Power Port	±0.5 KV / ±1.0 KV	1/2
IEC 61000-4-5	Surge	Signal	±0.5 KV	3
		AC Power Port	Line-to Line±1.0kV/ Line-to Earth±2.0kV	3
		DC Power Port	Line-to-Earth±0.5KV /±1.0 KV	1/2
IEC 61000-4-6	CS	Conducted (Enclosure)	3 Vrms	2
IEC 61000-4-8	PFMF	Enclosure	3(A/m)	2
IEC 61000-4-11	DIP	AC Power Port	-	-
Shock	IEC 60068-2-27			
Drop	IEC 60068-2-32			
Vibration	IEC 60068-2-64			
RoHS II	Yes			
MTBF	15 years (MIL-HDBK-217F)			
Warranty	5 Years			

* AC Ports are tested through an power adaptor available in the accessory.