

ARS-7235-PSE-AC Series

Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router with 1*PoE+/PSE Port (30W)



Features

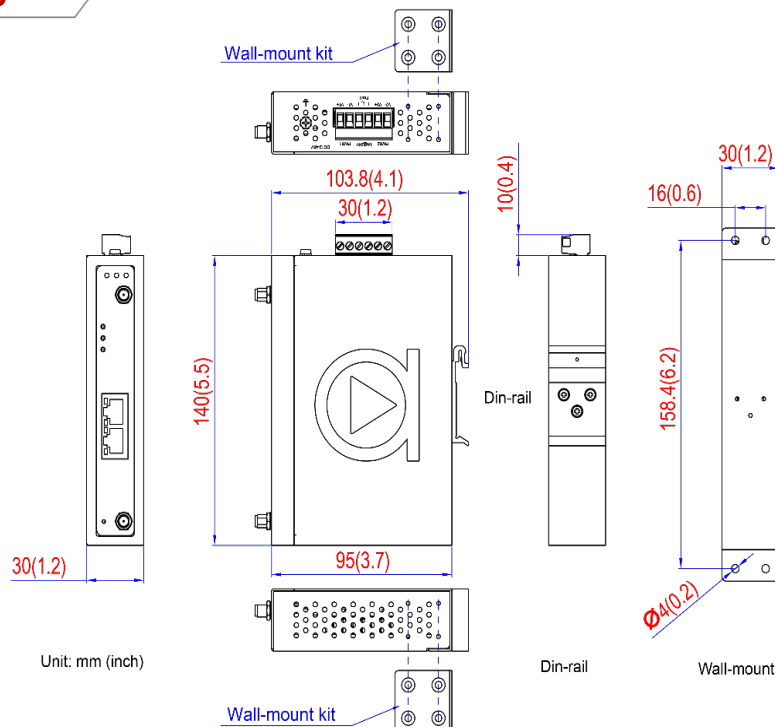
- ▶ Industrial 2x2 MIMO
- ▶ Qualcomm IPQ4029 SoC
- ▶ Supports IEEE 802.11a/b/g/n/ac
- ▶ Supports 2*10/100/1000 Base-TX WAN/LAN Ports with 1*PoE+/PSE Port (30W)
- ▶ Tx Power 25dB for 2.4GHz
- ▶ Tx Power 24dB for 5GHz
- ▶ WPA, WPA2, WPA3, WEP, TKIP, AES
- ▶ Power Input: 9~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail and Wall Mountable
- ▶ Operating Temperature Range: STD: -10°C to 60°C; EOT: -35°C to 70°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' ARS-7235-PSE-AC Series is an industrial dual radio IEEE 802.11a/b/g/n/ac wireless LAN access point with added router capabilities and PSE (Power Sourcing Equipment) function providing up to 30 Watts of power to powered device. Embedded with the Qualcomm IPQ4029 SoC chipset, it boasts network robustness, stability, and a wide network coverage with a very low voltage input of 9V. Based on IEEE 802.11 a/b/g/n/ac, the access point supports high-speed data transmission of up to 867Mbps.

The ARS-7235-PSE-AC Series is capable of operating in different modes, which makes it suitable for a wide variety of wireless applications including long-distance deployments. The unit also allows the user to position the wireless antennas in a better signal-broadcasting location for improved wireless coverage and signal strength or simply in a more convenient location.

DIMENSIONS



SPECIFICATIONS

Technology		Power Requirement	
Standards	IEEE 802.11a/b/g/n/ac Wireless LAN	Input Voltage	9~48VDC Redundant Input
	IEEE 802.3 10Base-T Ethernet	Power Connection	1 removable 6-contact terminal block
	IEEE 802.3u 100Base-TX Fast Ethernet	Reverse Polarity Protection	Present
	IEEE 802.3ab 1000Base-T Gigabit Ethernet	Overload Current Protection	Present
	IEEE 802.3af/at Power over Ethernet	System Power Consumption	3.5 Watts
Protocol	IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NTP, Dynamic DNS, SMTP, SNMP	Environmental Limits	
WLAN Operation Mode	AP/Client/Bridge/Repeater/Router	Operating Temperature	STD: -10°C to 60°C EOT: -35°C to 70°C
Encryption Security	WPA, WPA2, WPA3, WEP, TKIP, AES, RADIUS, 802.1x/EAP	Storage Temperature	-40°C to 80°C
Interface		Ambient Relative Humidity	5 to 90%, (non-condensing)
Ethernet Port	2*10/100/1000Tx with 1*PoE+/PSE (PSE: 30W)	Regulatory Approvals	
WLAN	Dual Band 2.4GHz/5GHz concurrent	EMI	FCC Part 15 Subpart B CE EN55032
Antenna	2*External SMA Antennas: 3dBi for 2.4GHz, 5dBi for 5GHz (MIMO support, Dual 2Tx/2Rx)	EMS	CE EN55024 IEC61000-4-2,3,4,5,6,8,11
LED Indicators	Power, Fault, Wi-Fi Signal, Link, Activity	Free Fall	IEC60068-2-32
Frequency Range		Shock	IEC60068-2-27
IEEE 802.11a/b/g/n/ac (2.4GHz)	2.402G-2.482GHz, 25dBm	Vibration	IEC60068-2-6
IEEE 802.11a/b/g/n/ac (5GHz)	4.92G-5.92GHz, 24dBm	Green	RoHS Compliant
Mechanical Characteristics		Certifications	FCC, CE
Housing	Metal, IP30 rated	Warranty	5 Years
Dimensions	30 x 140 x 95 mm (W x H x D)		
Weight	Unit: 0.60 lb. Shipping: 1.0 lb.		
Mounting	DIN-Rail mounting, Wall mounting		

ORDERING INFO

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ARS-7235-PSE-AC-T	Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router with 1*PoE+/PSE Port (30W); EOT: -35°C to 70°C

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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