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

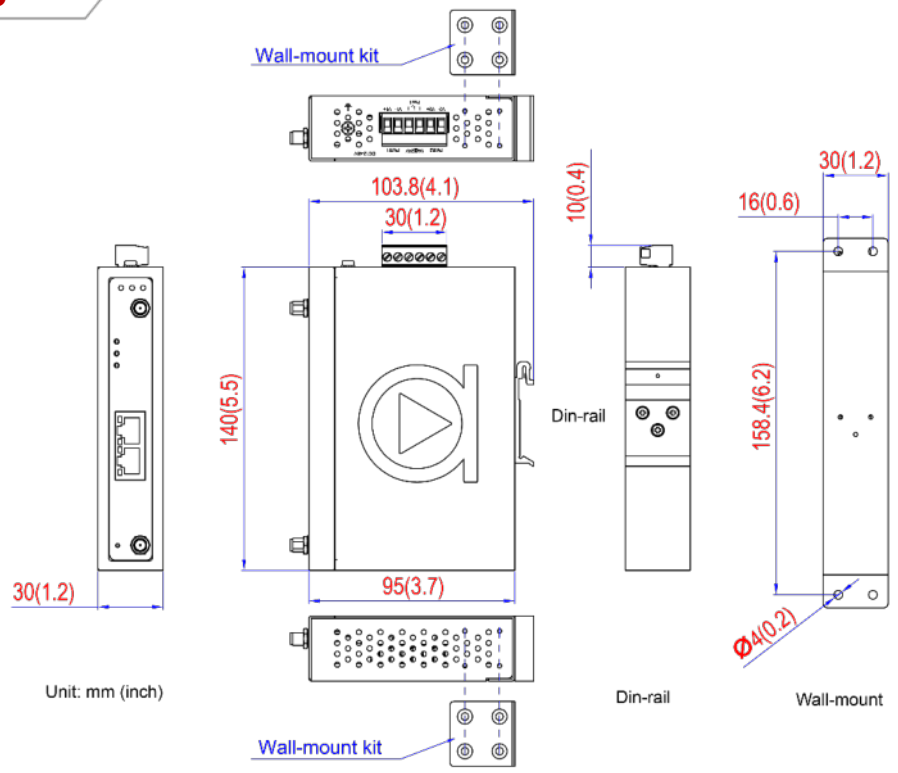
- **Industrial 2x2 MIMO**
- **Qualcomm IPQ4029 SoC**
- **Supports IEEE 802.11a/b/g/n/ac**
- **Supports 2*10/100/1000 Base-TX WAN/LAN Ports with 1*PoE+/PSE Port (30W)**
- **Tx Power 25dB for 2.4GHz**
- **Tx Power 24bB for 5GHz**
- **WPA, WPA2, WPA3, WEP, TKIP, AES**
- **Power Input: 9~48VDC in 6-Pin Terminal 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	
Standards	IEEE 802.11a/b/g/n/ac Wireless LAN IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3af/at Power over Ethernet
Protocol	IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NTP, Dynamic DNS, SMTP, SNMP
WLAN Operation Mode	AP/Client/Bridge/Repeater/Router
Encryption Security	WPA, WPA2, WPA3, WEP, TKIP, AES, RADIUS, 802.1x/EAP
Interface	
Ethernet Port	2*10/100/1000Tx with 1*PoE+/PSE (PSE: 30W)
WLAN	Dual Band 2.4GHz/5GHz concurrent
Antenna	2*External SMA Antennas: 3dBi for 2.4GHz, 5dBi for 5GHz (MIMO support, Dual 2Tx/2Rx)
LED Indicators	Power, Fault, Wi-Fi Signal, Link, Activity
Frequency Range	
IEEE 802.11a/b/g/n/ac (2.4GHz)	2.402G-2.482GHz, 25dBm
IEEE 802.11a/b/g/n/ac (5GHz)	4.92G-5.92GHz, 24dBm
Mechanical Characteristics	
Housing	Metal, IP30 rated
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

Power Requirement	
Input Voltage	9~48VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Overload Current Protection	Present
System Power Consumption	3.5 Watts
Environmental Limits	
Operating Temperature	STD: -10°C to 60°C EOT: -35°C to 70°C
Storage Temperature	-40°C to 80°C
Ambient Relative Humidity	5 to 90%, (non-condensing)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B CE EN55032
EMS	CE EN55024 IEC61000-4-2,3,4,5,6,8,11
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE
Warranty	5 Years

ORDERING INFO

ARS-7235-PSE-AC	Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router with 1*PoE+/PSE Port (30W)
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