

## 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

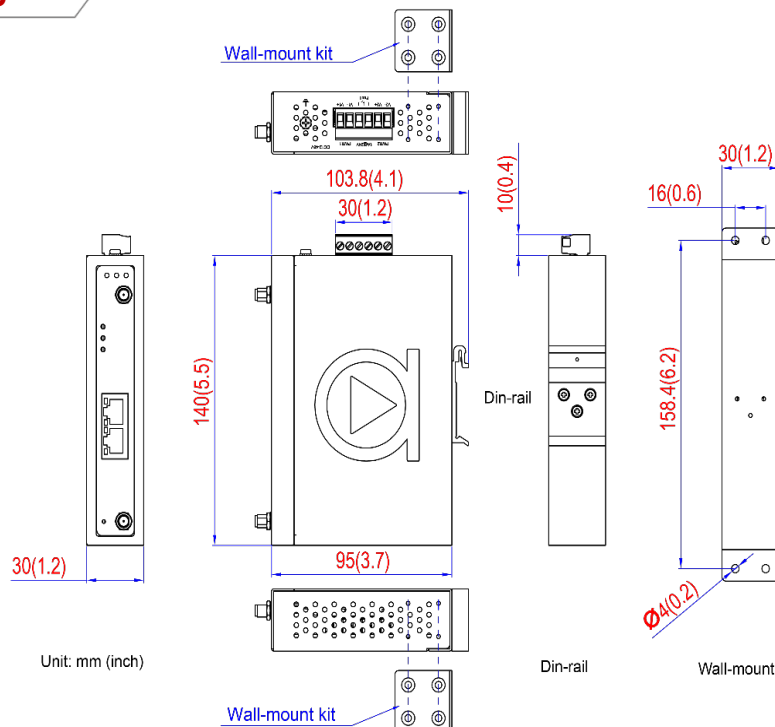
- ▶ Industrial 2x2 MIMO
- ▶ Qualcomm IPQ4029 SoC
- ▶ Supports IEEE 802.11a/b/g/n/ac
- ▶ Supports 2\*10/100/1000 Base-TX WAN/LAN Ports with 1\*PoE+/PSE Port (30W)
- ▶ Tx Power 25dB for 2.4GHz
- ▶ Tx Power 24dB for 5GHz
- ▶ WPA, WPA2, WPA3, WEP, TKIP, AES
- ▶ Power Input: 9~48VDC in 6-Pin Terminal Block
- ▶ 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 802.11a/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<br>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<br>CE EN55032      |
| Antenna                        | 2*External SMA Antennas:<br>3dBi for 2.4GHz, 5dBi for 5GHz<br>(MIMO support, Dual 2Tx/2Rx) | EMS                         | CE EN55024<br>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.<br>Shipping: 1.0 lb.                                                        |                             |                                          |
| Mounting                       | DIN-Rail mounting, Wall mounting                                                           |                             |                                          |

## 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 |

## 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.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660