

ARS-7235-AC Series

Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router



Features

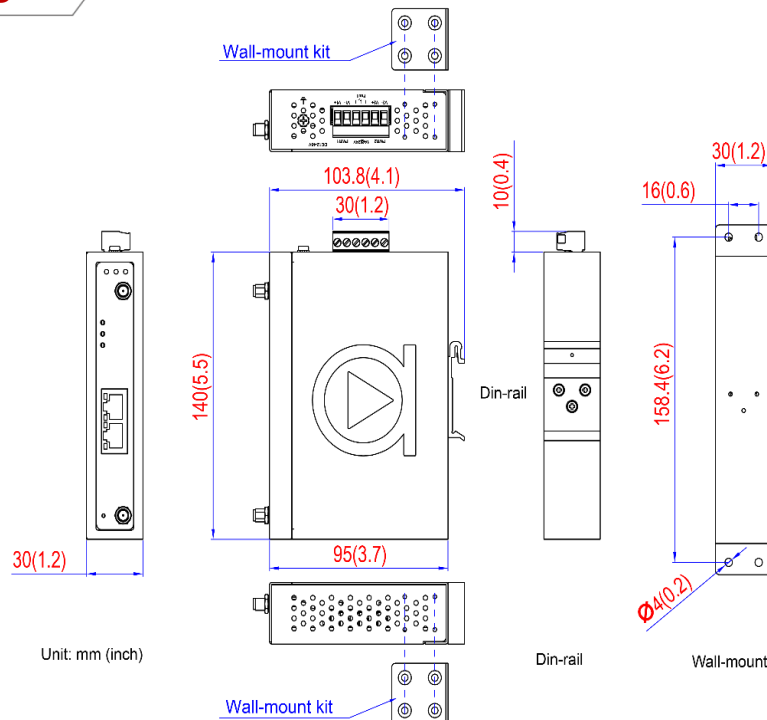
- ▶ Industrial 2x2 MIMO
- ▶ Qualcomm IPQ4029 SoC
- ▶ Supports IEEE 802.11a/b/g/n/ac
- ▶ Supports 2*10/100/1000 Base-TX WAN/LAN Ports
- ▶ Tx Power 25dB for 2.4GHz
- ▶ Tx Power 24dB for 5GHz
- ▶ WPA, WPA2, WPA3, WEP, TKIP, AES
- ▶ Power Input: 9~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ 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-AC series is an industrial dual radio IEEE 802.11a/b/g/n/ac wireless LAN access point with added router capabilities. 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-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 |
| Protocol | IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NTP, Dynamic DNS, SMTP, SNMP | System Power Consumption | 3.5 Watts |
| | WLAN Operation Mode | AP/Client/Bridge/Repeater/Router | |
| Encryption Security | WPA, WPA2, WPA3, WEP, TKIP, AES, RADIUS, 802.1x/EAP | Environmental Limits | |
| Interface | | Operating Temperature | STD: -10°C to 60°C EOT: -35°C to 70°C |
| Ethernet Port | 2*10/100/1000Tx | Storage Temperature | -40°C to 80°C |
| WLAN | Dual Band 2.4GHz/5GHz concurrent | Ambient Relative Humidity | 5 to 90%, (non-condensing) |
| Antenna | 2*External RP-SMA Male Antennas: 3dBi for 2.4GHz, 5dBi for 5GHz (MIMO support, Dual 2Tx/2Rx) | Regulatory Approvals | |
| | LED Indicators | Power, Fault, Wi-Fi Signal, Link, Activity | EMI |
| Frequency Range | | EMS | CE EN55024 IEC61000-4-2,3,4,5,6,8,11 |
| IEEE 802.11a/b/g/n/ac (2.4GHz) | 2.402G-2.482GHz, 25dBm | Free Fall | IEC60068-2-32 |
| IEEE 802.11a/b/g/n/ac (5GHz) | 4.92G-5.92GHz, 24dBm | Shock | IEC60068-2-27 |
| Mechanical Characteristics | | Vibration | IEC60068-2-6 |
| Housing | Metal, IP30 rated | Green | RoHS Compliant |
| Dimensions | 30 x 140 x 95 mm (W x H x D) | Certifications | FCC, CE |
| Weight | Unit: 0.60 lb. | Warranty | 5 Years |
| | Shipping: 1.0 lb. | | |
| Mounting | DIN-Rail mounting, Wall mounting | | |

ORDERING INFO

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|----------------------|---|
| ARS-7235-AC | Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router |
| ARS-7235-AC-T | Industrial Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router; 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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