

# ARS-7235-AC Series

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



## Features

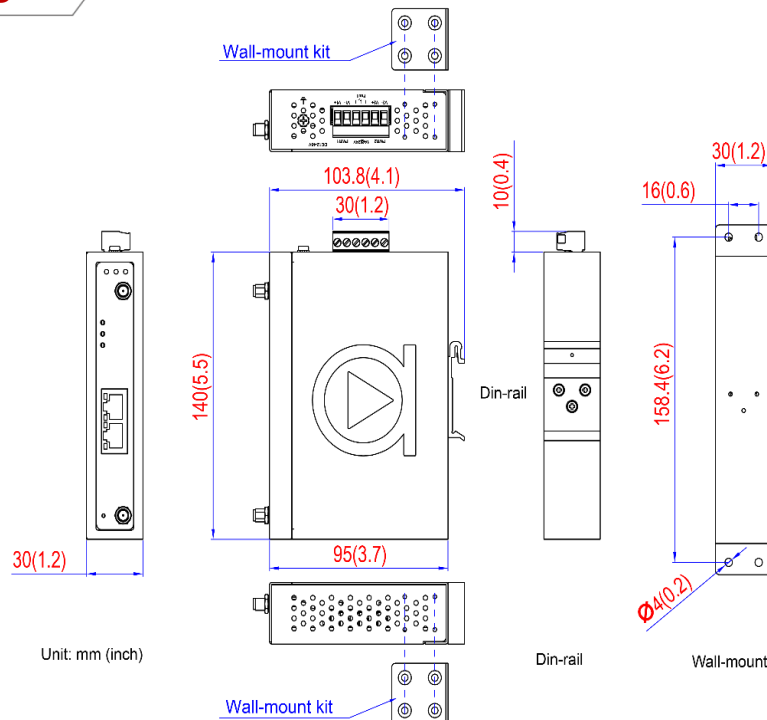
- ▶ Industrial 2x2 MIMO
- ▶ Qualcomm IPQ4029 SoC
- ▶ Supports IEEE 802.11a/b/g/n/ac
- ▶ Supports 2\*10/100/1000 Base-TX WAN/LAN Ports
- ▶ Tx Power 25dB for 2.4GHz
- ▶ Tx Power 24dB for 5GHz
- ▶ WPA, WPA2, WPA3, WEP, TKIP, AES
- ▶ Power Input: 9~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ 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	<b>Input Voltage</b>	9~48VDC Redundant Input
	IEEE 802.3 10Base-T Ethernet	<b>Power Connection</b>	1 removable 6-contact terminal block
	IEEE 802.3u 100Base-TX Fast Ethernet	<b>Reverse Polarity Protection</b>	Present
	IEEE 802.3ab 1000Base-T Gigabit Ethernet	<b>Overload Current Protection</b>	Present
Protocol	IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NTP, Dynamic DNS, SMTP, SNMP	<b>System Power Consumption</b>	3.5 Watts
	WLAN Operation Mode	AP/Client/Bridge/Repeater/Router	
Encryption Security		WPA, WPA2, WPA3, WEP, TKIP, AES, RADIUS, 802.1x/EAP	
Interface		Environmental Limits	
Ethernet Port	2*10/100/1000Tx	<b>Operating Temperature</b>	STD: -10°C to 60°C EOT: -35°C to 70°C
WLAN	Dual Band 2.4GHz/5GHz concurrent	<b>Storage Temperature</b>	-40°C to 80°C
Antenna	2*External RP-SMA Male Antennas: 3dBi for 2.4GHz, 5dBi for 5GHz (MIMO support, Dual 2Tx/2Rx)	<b>Ambient Relative Humidity</b>	5 to 90%, (non-condensing)
	LED Indicators	Power, Fault, Wi-Fi Signal, Link, Activity	
Frequency Range		Regulatory Approvals	
IEEE 802.11a/b/g/n/ac (2.4GHz)	2.402G-2.482GHz, 25dBm	<b>EMI</b>	FCC Part 15 Subpart B CE EN55032
IEEE 802.11a/b/g/n/ac (5GHz)	4.92G-5.92GHz, 24dBm	<b>EMS</b>	CE EN55024 IEC61000-4-2,3,4,5,6,8,11
Mechanical Characteristics		<b>Free Fall</b>	IEC60068-2-32
Housing	Metal, IP30 rated	<b>Shock</b>	IEC60068-2-27
Dimensions	30 x 140 x 95 mm (W x H x D)	<b>Vibration</b>	IEC60068-2-6
Weight	Unit: 0.60 lb.	<b>Green</b>	RoHS Compliant
	Shipping: 1.0 lb.	<b>Certifications</b>	FCC, CE
Mounting	DIN-Rail mounting, Wall mounting	<b>Warranty</b>	5 Years

## ORDERING INFO

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