

ARS-7235-AC Series

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



Features

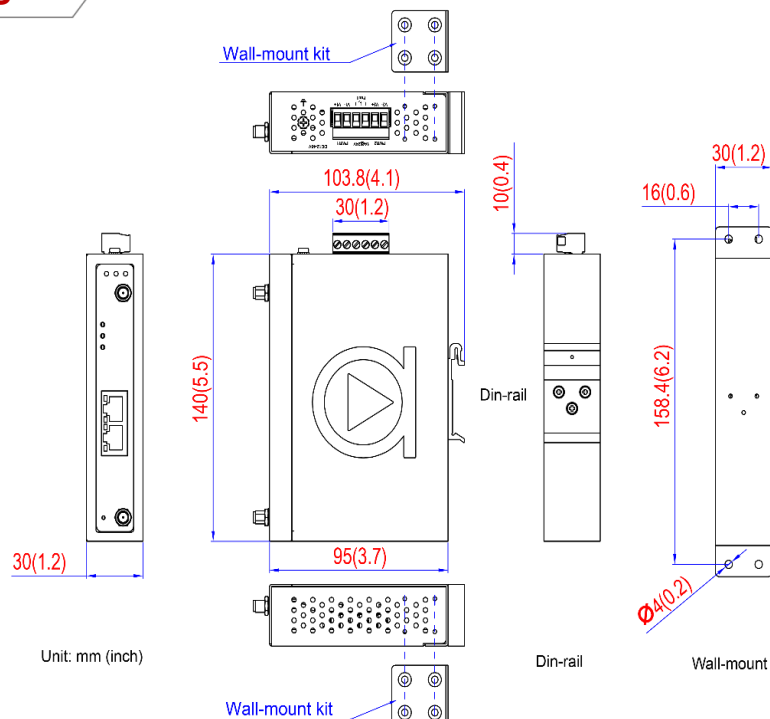
- ▶ Industrial 2x2 MIMO
- ▶ Qualcomm IPQ4029 SoC
- ▶ Supports IEEE 802.11a/b/g/n/ac
- ▶ Supports 2*10/100/1000 Base-TX WAN/LAN Ports
- ▶ Tx Power 25dB for 2.4GHz
- ▶ Tx Power 24dB for 5GHz
- ▶ WPA, WPA2, WPA3, WEP, TKIP, AES
- ▶ Power Input: 9~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ 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	Environmental Limits	
Encryption Security	WPA, WPA2, WPA3, WEP, TKIP, AES, RADIUS, 802.1x/EAP	Operating Temperature	STD: -10°C to 60°C EOT: -35°C to 70°C
Interface		Storage Temperature	-40°C to 80°C
Ethernet Port	2*10/100/1000Tx	Ambient Relative Humidity	5 to 90%, (non-condensing)
WLAN	Dual Band 2.4GHz/5GHz concurrent	Regulatory Approvals	
Antenna	2*External RP-SMA Male Antennas: 3dBi for 2.4GHz, 5dBi for 5GHz (MIMO support, Dual 2Tx/2Rx)	EMI	FCC Part 15 Subpart B CE EN55032
LED Indicators	Power, Fault, Wi-Fi Signal, Link, Activity	EMS	CE EN55024 IEC61000-4-2,3,4,5,6,8,11
Frequency Range		Free Fall	IEC60068-2-32
IEEE 802.11a/b/g/n/ac (2.4GHz)	2.402G-2.482GHz, 25dBm	Shock	IEC60068-2-27
IEEE 802.11a/b/g/n/ac (5GHz)	4.92G-5.92GHz, 24dBm	Vibration	IEC60068-2-6
Mechanical Characteristics		Green	RoHS Compliant
Housing	Metal, IP30 rated	Certifications	FCC, CE
Dimensions	30 x 140 x 95 mm (W x H x D)	Warranty	5 Years
Weight	Unit: 0.60 lb. Shipping: 1.0 lb.		
Mounting	DIN-Rail mounting, Wall mounting		

ORDERING INFO

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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