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# **ARS-7235-5E-AC Series**

Industrial 5-Port Gigabit Ethernet with Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router



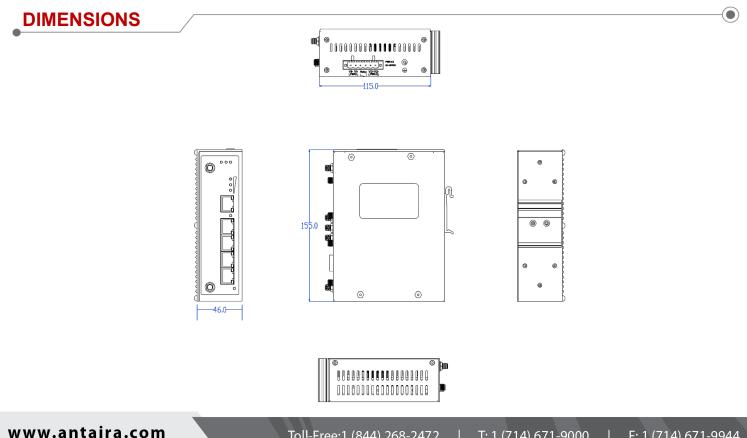
#### Features

- Industrial 2x2 MIMO
- Qualcomm IPQ4029 SoC
- Supports IEEE 802.11a/b/g/n/ac
- Supports 5\*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-7235-5E-AC Series is an industrial dual-radio IEEE 802.11a/b/g/n/ac wireless LAN access point with added router capabilities and 5\*10/100/1000Tx Gigabit Ethernet ports. Embedded with the Qualcomm IPQ4029 SoC chipset, it boasts network robustness, stability, and 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-7235-5E-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.



# SPECIFICATIONS

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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	
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	5*10/100/1000Tx	
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, Diagnostic, 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 Charact	Mechanical Characteristics	
Housing	Metal, IP30 rated	
Dimensions	46 x 155 x 115 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	
<b>Environmental Limits</b>		
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	

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## ORDERING INFO

ARS-7235-5E-AC	Industrial 5-Port Gigabit Ethernet with Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router
ARS-7235-5E-AC-T	Industrial 5-Port Gigabit Ethernet with Dual Radio IEEE 802.11a/b/g/n/ac Wireless Access Point/Client/Bridge/Repeater/Router; EOT: -35°C to 70°C