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

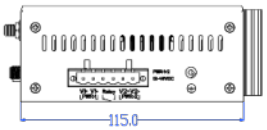
- **Industrial 2x2 MIMO**
- **Qualcomm IPQ4029 SoC**
- **Supports IEEE 802.11a/b/g/n/ac**
- **Supports 5*10/100/1000 Base-TX WAN/LAN Ports**
- **Tx Power 25dB for 2.4GHz**
- **Tx Power 24bB for 5GHz**
- **WPA, WPA2, WPA3, WEP, TKIP, AES**
- **Power Input: 9~48VDC in 6-Pin Terminal Block**
- **Reverse 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**

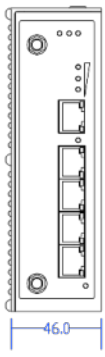
INTRODUCTION

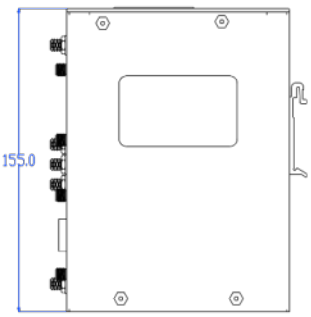
Antaira Technologies' ARS-7235-5E-AC Series is an industrial dual-radio IEEE 802.11a/b/g/n/ac wireless LAN access point with added router capabilities and 5*10/100/1000Tx Gigabit Ethernet ports. Embedded with the Qualcomm IPQ4029 SoC chipset, it boasts network robustness, stability, and wide network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

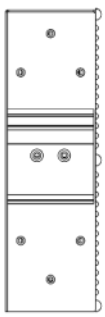
The ARS-7235-5E-AC Series is capable of operating in different modes, which makes it suitable for a wide variety of wireless applications including long-distance deployments. The unit also allows the user to position the wireless antennas in a better signal-broadcasting location for improved wireless coverage and signal strength or simply in a more convenient location.

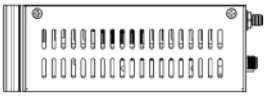
DIMENSIONS











SPECIFICATIONS

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 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
Environmental Limits	
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

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