

ARS-7234-AC Series

Industrial IEEE 802.11a/b/g/n/ac Dual Radio
Wireless AP/Client/Bridge/Repeater



Features

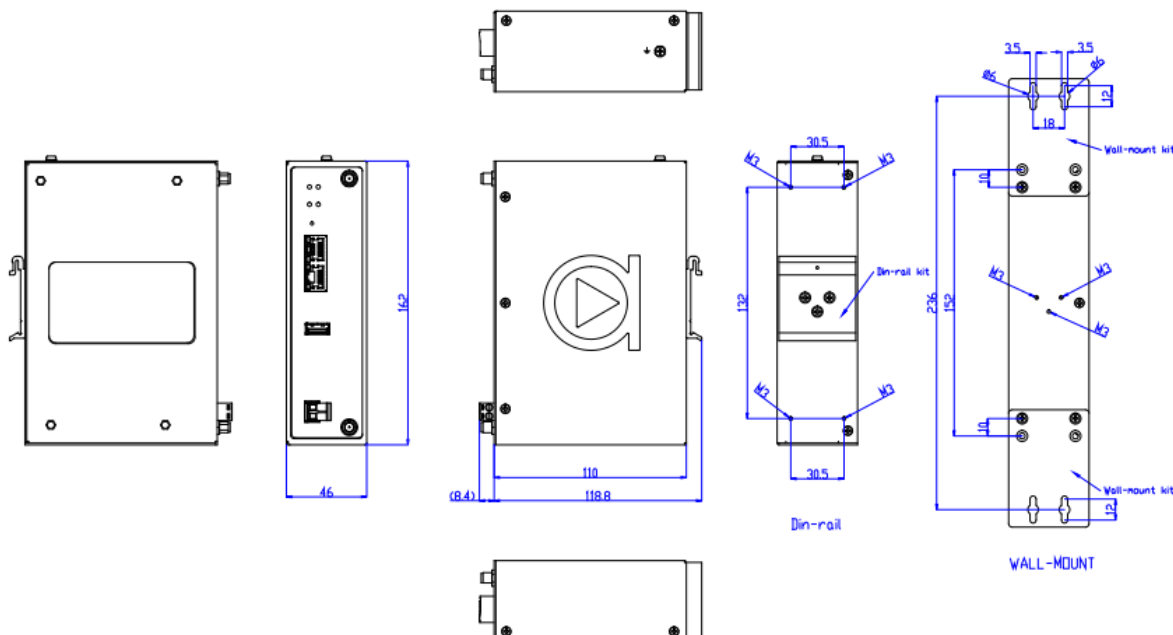
- ▶ High Speed WLAN Supports up to 867Mbps
- ▶ Dual Radios (2.4GHz/5GHz concurrent)
- ▶ Industrial MIMO Wireless Solution (Dual 2Tx/2Rx)
- ▶ Support IEEE 802.11a/b/g/n/ac
- ▶ Support Ethernet Gigabit WAN/LAN port
- ▶ Qualcomm IPQ4029 Quad-Core Wi-Fi SoC
- ▶ Tx Power (EIRP) 24dBm for 2.4GHz/5GHz
- ▶ WEP, WPA, WPA2, TKIP, AES
- ▶ CE, FCC, NCC, RCM certified
- ▶ Power Input: 9~24VDC in 2-pin terminal block
- ▶ Reverse Polarity Protection
- ▶ DIN-Rail or Wall Mountable
- ▶ Operating Temperature Range
 - STD: 0° to 50°C, EOT: -40° to 70°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' **ARS-7234-AC Series** are designed for industrial and enterprise wireless access applications. Embedded with the Qualcomm IPQ4029 Quad-Core chipset, it boasts network robustness, stability and wider network coverage. Based on IEEE 802.11a/b/g/n/ac, the access point supports high-speed data transmission of up to 867Mbps.

The **ARS-7234-AC Series** are 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 antenna 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 IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet
WLAN Operation Mode	AP/Client/Bridge/Repeater
Protocol	IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NAPT, SNTP, RADIUS, Dynamic DNS, SMTP, SNMP
WiFi Encryption	WEP, WPA, WPA2, TKIP, AES
Interface	
Ethernet Port	WAN: 10/100/1000Mbps LAN: 10/100/1000Mbps
WLAN	Dual Radio 2.4GHz/5GHz concurrent
Antenna	Two External SMA Antennas: 3dBi for 2.4GHz, 5dBi for 5GHz (MIMO support, Dual 2Tx/2Rx)
USB	Configuration backup/restore, firmware update
Frequency Range	
IEEE 802.11b/g/n (2.4GHz)	US/TW : 2.412G~2.462GHz EU/AU/NZ : 2.412G~2.472GHz
IEEE 802.11a/n/ac (5GHz)	US/AU/NZ : 5.15G~5.25GHz, 5.725G~5.85GHz EU : 5.15G~5.25GHz TW : 5.15G~5.35GHz, 5.725G~5.85GHz
Mechanical Characteristics	
Housing	Metal, IP30 protection
Dimensions	46 x 162 x 110 mm (W x H x D)
Weight	Unit: 1.622 lbs. Shipping: 2.336 lbs.
Mounting	DIN-Rail Mounting, Wall Mounting

Power Requirement	
Input Voltage	9 to 24VDC
Power Connection	2-pin terminal block
Reverse Polarity Protection	Present
Power Consumption	18.9 Watts
Environmental Limits	
Operating Temperature	STD: 0°C to 50°C EOT: -40°C to 70°C
Storage Temperature	-40°C to 80°C
Ambient Relative Humidity	5% to 95%, (non-condensing)
Regulatory Approvals	
EMI	FCC Part 15 Subpart B CE EN 55032, EN301489-1/-17 FCC Part 15 subpart B CNS13438 AS/NZS CSIPR 32
EMS	CE EN 55024 IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field) IEC61000-4-11
RF	FCC Part 15 Subpart C/E CE-RED EN300328 EN301893 EN301489-1/-17 LP0002 AS/NZS 4268
RF Radiation Exposure	EN62311 FCC Part 2.1091
Safety	EN60950-1 CNS14336-1
Green	RoHS Compliant
Certifications	FCC, CE, NCC, RCM
Warranty	5 Years

ORDERING INFO

ARS-7234-AC	Industrial IEEE 802.11a/b/g/n/ac Dual Radio Wireless Access Point/Client/Bridge/Repeater, STD (0°C to 50°C)
ARS-7234-AC-T	Industrial IEEE 802.11a/b/g/n/ac Dual Radio Wireless Access Point/Client/Bridge/Repeater, EOT (-40°C to 70°C)
ARS-7234-AC-EU	Industrial IEEE 802.11a/b/g/n/ac Dual Radio Wireless Access Point/Client/Bridge/Repeater, STD (0°C to 50°C), EU version
ARS-7234-AC-T-EU	Industrial IEEE 802.11a/b/g/n/ac Dual Radio Wireless Access Point/Client/Bridge/Repeater, EOT (-40°C to 70°C), EU version
ARS-7234-AC-JP	Industrial IEEE 802.11a/b/g/n/ac Dual Radio Wireless Access Point/Client/Bridge/Repeater, STD (0°C to 50°C), Japan version
ARS-7234-AC-T-JP	Industrial IEEE 802.11a/b/g/n/ac Dual Radio Wireless Access Point/Client/Bridge/Repeater, EOT (-40°C to 70°C), Japan version
Optional Accessories	
HDR-60-24	60W Industrial Din Rail Power Supply, 24VDC
NDR-75-12	75W Industrial Din Rail Power Supply, 12VDC