

ARS-7131 Series

Industrial 802.11a/b/g/n WiFi Access
Point/Client/Bridge/Repeater with Router Capabilities



Features

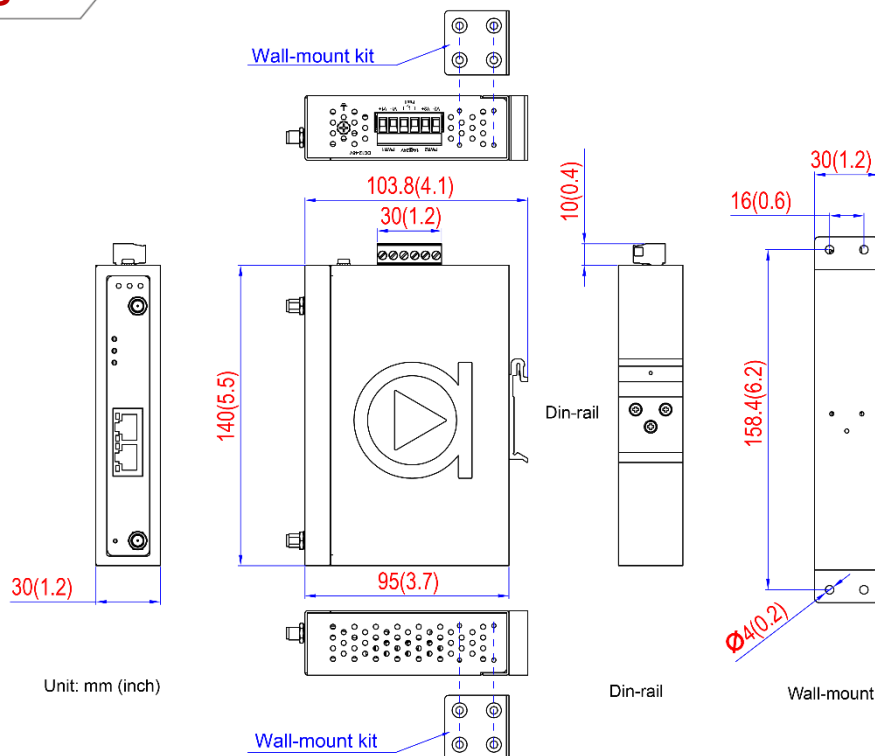
- ▶ Industrial 2x2 MIMO
- ▶ Atheros XSPAN Family Chipset
- ▶ Supports IEEE 802.11 a/b/g/n
- ▶ Supports 2*10/100Base-TX WAN/LAN Ports
- ▶ Tx Power 21 dB for 2.4GHz
- ▶ Tx Power 18 dB for 5GHz
- ▶ WPA, WPA2, TKIP, AES
- ▶ Power Input: 9~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ IP30 Protection
- ▶ DIN-Rail and Wall Mountable
- ▶ Operating Temperature – STD: 0°C to 60°C; EOT: -35°C to 70°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' ARS-7131 series is a single radio industrial 802.11a/b/g/n wireless LAN access point with added router capabilities. With the Atheros XSPAN family 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, the access point supports high-speed data transmission of up to 867Mbps.

The ARS-7131 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 | |
|----------------------------|---|
| Protocol | IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NTP, RADIUS, Dynamic DNS, SNMP |
| IEEE | IEEE 802.11 a/b/g/n IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet |
| WLAN Operation Mode | AP/Client/Bridge/Repeater |
| Encryption Security | WPA, WPA2, WPA3, WEP, TKIP, AES |
| Interface | |
| Ethernet Port | 2*10/100Tx |
| WLAN | Single Radio |
| Antenna | 2*External Antennas |
| LED Indicators | Power, Fault, Wi-Fi Signal, Link, Activity |
| Mechanical Characteristics | |
| Housing | Metal, IP30 Protection |
| Dimensions | 30 x 140 x 95mm (W*H*D) |
| Weight | Unit: 0.60 lb. Shipping: 1.0 lb. |
| Mounting | DIN-Rail, Wall Mounting |

| Power Requirement | |
|-----------------------------|---|
| Input Voltage | 9~48VDC, Redundant Input |
| Power Connection | 6-Pin Terminal Block |
| Reverse Polarity Protection | Present |
| Overload Current Protection | Present |
| Power Consumption | 8 Watts |
| Environmental Limits | |
| Operating Temperature | STD: -10° to 60° C EOT: -35° to 70° C |
| Storage Temperature | -40°C ~ 90°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 CE EN 55024 |
| EMS | 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 |
| Free Fall | IEC60068-2-32 |
| Shock | IEC60068-2-27 |
| Vibration | IEC60068-2-6 |
| Green | RoHS Compliant |
| Certifications | FCC, CE |
| Warranty | 5 Years |

ORDERING INFO

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| ARS-7131 | Industrial 802.11a/b/g/n WiFi Access Point/Client/Bridge/Repeater with Router capabilities, STD: -10°C to 60°C |
| ARS-7131-T | Industrial 802.11a/b/g/n WiFi Access Point/Client/Bridge/Repeater with Router capabilities; EOT: -35°C to 70°C |