

# AMS-7131 Series

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



## Features

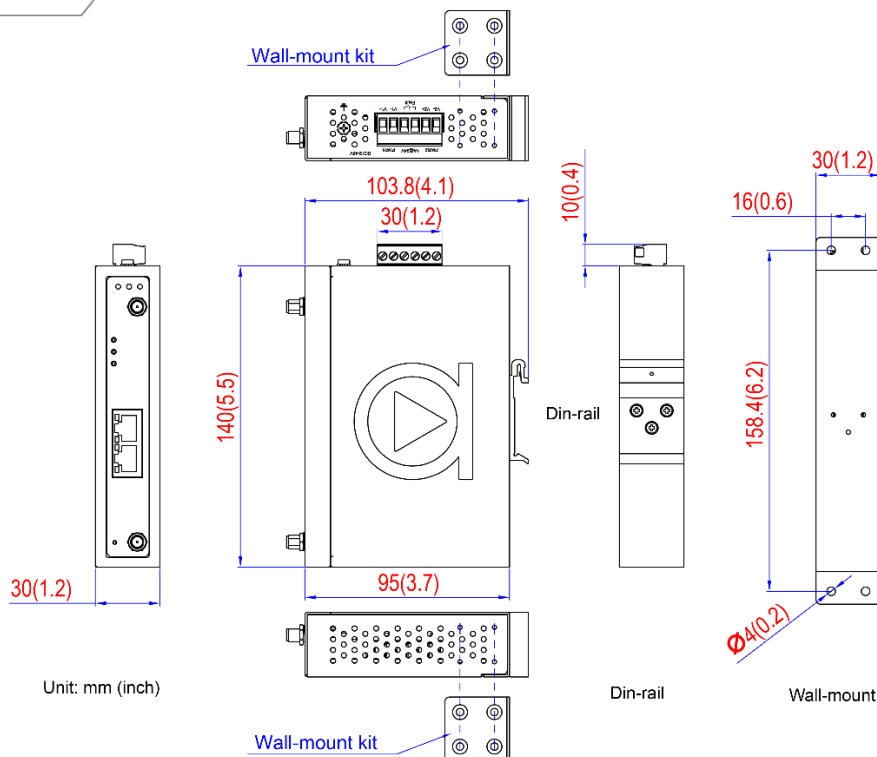
- ▶ Industrial 2x2 MIMO
- ▶ Atheros XSPAN Family Chipset
- ▶ Supports IEEE 802.11 a/b/g/n
- ▶ Supports 2\*10/100Base-TX WAN/LAN Ports
- ▶ Tx Power 21 dB for 2.4GHz
- ▶ Tx Power 18 dB for 5GHz
- ▶ WPA, WPA2, TKIP, AES
- ▶ Power Input: 9~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ 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' AMS-7131 Series is a single radio industrial 802.11 a/b/g/n wireless LAN access point. Embedded with the Atheros XSPAN family chipset, it boasts network robustness, stability, and a wider 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 300MBps.

The AMS-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 antenna 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<br>IEEE 802.3 10Base-T Ethernet<br>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 Antenna  |
| 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.<br>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<br>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<br>CE EN 55032<br>EN301489-1/-17<br>FCC Part 15 Subpart B<br>CNS13438<br>AS/NZS CSIPR 32   |
| EMS                         | CE EN 55024<br>IEC61000-4-2 (ESD),<br>IEC61000-4-3 (RS),<br>IEC61000-4-4 (EFT),<br>IEC61000-4-5 (Surge),<br>IEC61000-4-6 (CS),<br>IEC61000-4-8 (Magnetic Field)<br>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

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

### Optional Accessories

|                  |  |
|------------------|--|
| ANT-MGNBASE-1.5M | 1.5M Antenna Extension Cable with Magnetic Base RP-SMA-Right-Hand Thread |
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