

# AMS-7131 Series

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



## Features

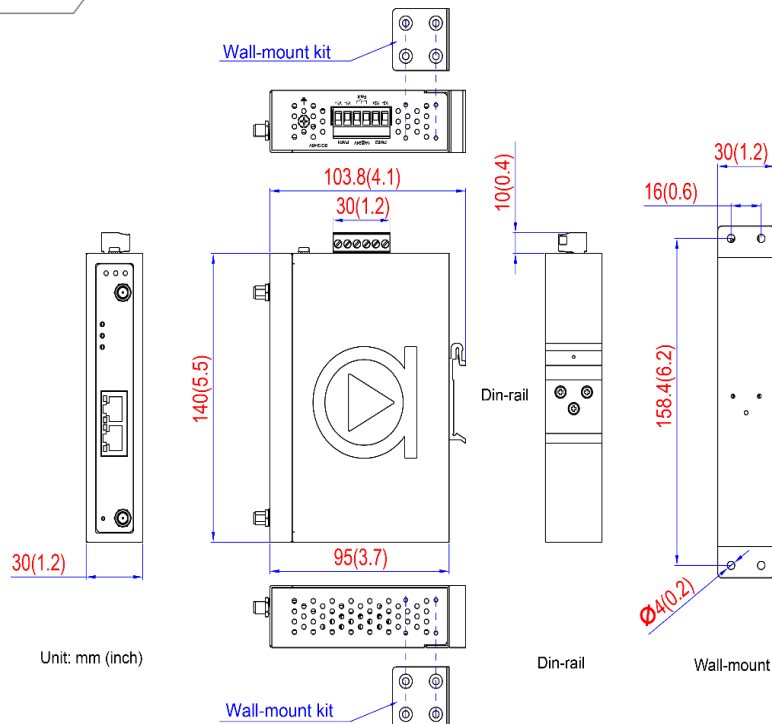
- ▶ Industrial 2x2 MIMO
- ▶ Atheros XSPAN Family Chipset
- ▶ Supports IEEE 802.11 a/b/g/n
- ▶ Supports 2\*10/100Base-TX WAN/LAN Ports
- ▶ Tx Power 21 dB for 2.4GHz
- ▶ Tx Power 18 dB for 5GHz
- ▶ WPA, WPA2, TKIP, AES
- ▶ Power Input: 9~48VDC in 6-Pin Terminal Block
- ▶ Reverse Polarity Protection
- ▶ 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		Power Requirement	
<b>Protocol</b>	IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NTP, RADIUS, Dynamic DNS, SNMP	<b>Input Voltage</b>	9~48VDC, Redundant Input
<b>IEEE</b>	IEEE 802.11 a/b/g/n IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet	<b>Power Connection</b>	6-Pin Terminal Block
<b>WLAN Operation Mode</b>	AP/Client/Bridge/Repeater	<b>Reverse Polarity Protection</b>	Present
<b>Encryption Security</b>	WPA, WPA2, WPA3, WEP, TKIP, AES	<b>Overload Current Protection</b>	Present
<b>Interface</b>		<b>Power Consumption</b>	8 Watts
<b>Ethernet Port</b>	2*10/100Tx	<b>Environmental Limits</b>	
<b>WLAN</b>	Single Radio	<b>Operating Temperature</b>	STD: -10° to 60° C EOT: -35° to 70° C
<b>Antenna</b>	2*External Antenna	<b>Storage Temperature</b>	-40°C ~ 90°C
<b>LED Indicators</b>	Power, Fault, Wi-Fi Signal, Link, Activity	<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)
<b>Mechanical Characteristics</b>		<b>Regulatory Approvals</b>	
<b>Housing</b>	Metal, IP30 Protection	<b>EMI</b>	FCC Part 15 Subpart B CE EN 55032 EN301489-1/-17 FCC Part 15 Subpart B CNS13438 AS/NZS CSIPR 32
<b>Dimensions</b>	30 x 140 x 95mm (W*H*D)	<b>EMS</b>	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
<b>Weight</b>	Unit: 0.60 lb. Shipping: 1.0 lb.	<b>Free Fall</b>	IEC60068-2-32
<b>Mounting</b>	DIN-Rail, Wall Mounting	<b>Shock</b>	IEC60068-2-27
		<b>Vibration</b>	IEC60068-2-6
		<b>Green</b>	RoHS Compliant
		<b>Certifications</b>	FCC, CE
		<b>Warranty</b>	5 Years

## ORDERING INFO

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

### Optional Accessories

<b>ANT-MGNBASE-1.5M</b>	1.5M Antenna Extension Cable with Magnetic Base RP-SMA-Right-Hand Thread
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## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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