AMS-7131 Series

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



Features

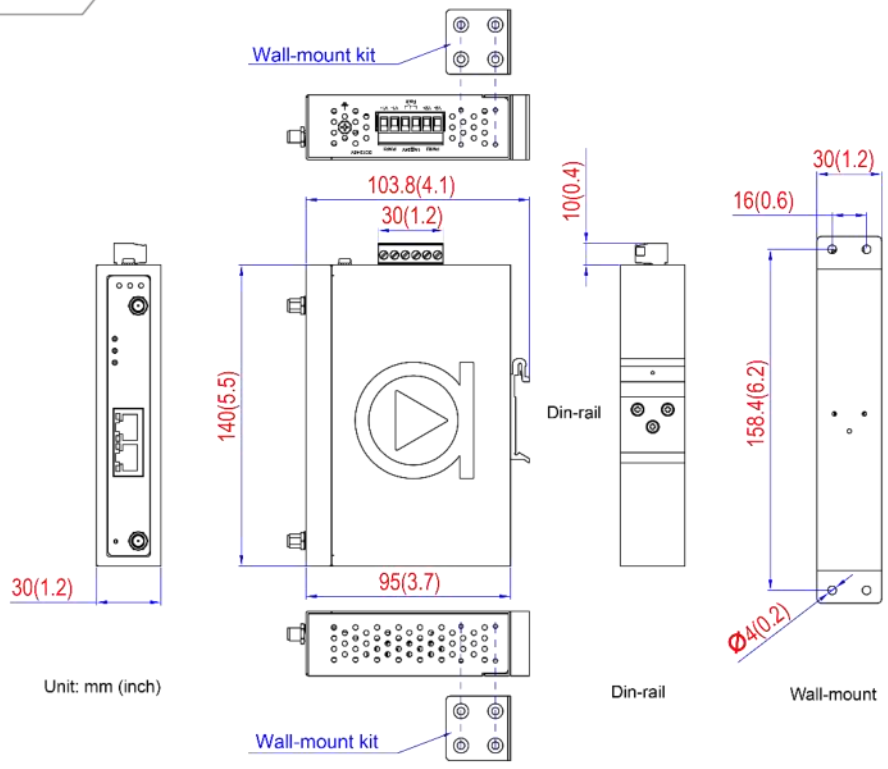
- **Industrial 2x2 MIMO**
- **Atheros XSPAN Family Chipset**
- **Supports IEEE 802.11 a/b/g/n**
- **Supports 2*10/100Base-TX WAN/LAN Ports**
- **Tx Power 21 dB for 2.4GHz**
- **Tx Power 18 bB for 5GHz**
- **WPA, WPA2, TKIP, AES**
- **Power Input: 9~48VDC in 6-Pin Terminal Block**
- **Reverse Polarity 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 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 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. 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
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
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