

ARS-2131-LTE

Industrial 802.11a/b/g/n WiFi Access Point with LTE Router Capabilities



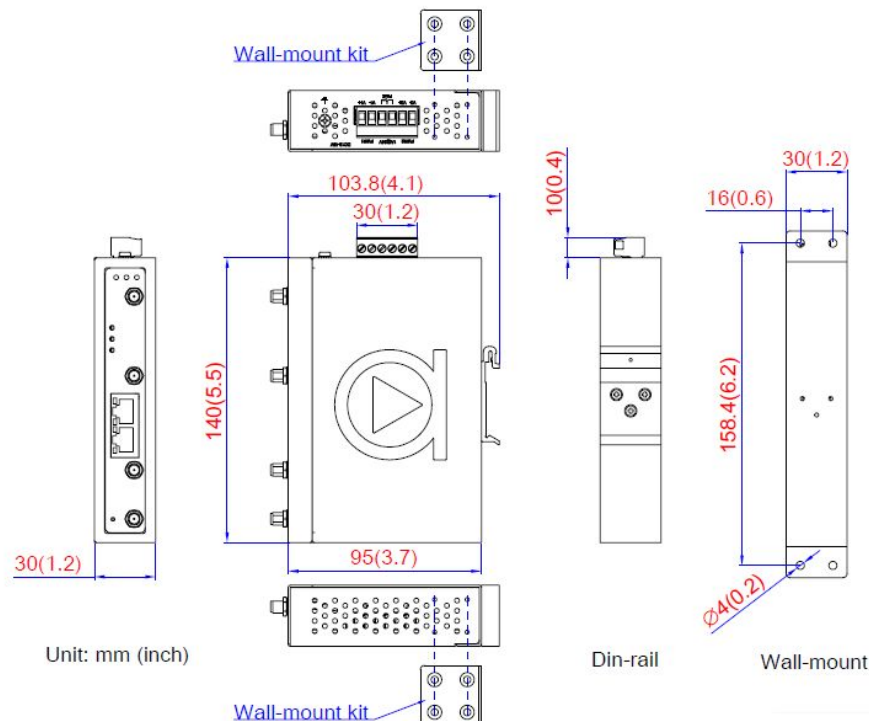
Features

- ▶ Industrial 2x2 MIMO
- ▶ Cellular Modem with LTE up to 100Mbps
- ▶ Supports IEEE 802.11 a/b/g/n
- ▶ Supports 2*10/100Base-TX WAN/LAN Ports
- ▶ Tx Power 21 dB for 2.4GHz
- ▶ 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-2131 series is a single radio industrial 802.11a/b/g/n wireless LAN access point with cellular modem. Take full advantage of the cutting-edge 4G LTE network with this device, which can achieve download speeds of up to 100Mbps and allow 4G LTE network sharing with multiple 2.4G wireless devices for cloud platform monitoring, inspection and maintenance from remote industrial application sites. IT boasts network robustness, stability, and a wide network coverage with a very low voltage input of 9V. The ARS-2131 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 2.4GHz
Antenna	2*External Antennas
LED Indicators	Power, Fault, Wi-Fi Signal, Link, Activity
Cellular	
Air Interface	LTE,HSPA+,GSM/GPRS/ EDGE, EV-DO Rev A,
Technology	CAT-3 LTE
LTE	B1 (2100) B3 (1800) B7 (2600) B8 (900) B20 (800DD)
3G	B1 (2100) B2 (1900) B19 (800) B26 (850) B8 (900) B5 (850)
2G	B8 (900) B3 (1800) B2 (1900)
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

ARS-2131-LTE	Industrial 802.11a/b/g/n WiFi Access Point with LTE Router capabilities, STD: -10°C to 60°C
ARS-2131-LTE-T	Industrial 802.11a/b/g/n WiFi Access Point with LTE Router capabilities; EOT: -35°C to 70°C