

AIROLINX-6-DR-T

Industrial DIN-Rail Wi-Fi 6 Access Point / Router with External Antennas



FEATURES

- Wi-Fi 6 IEEE 802.11ax Single-Band Radio
- Delivers up to 2400 Mbps on 5GHz
- Supports 1*10/100/1000Tx RJ45 Ethernet Port
- Supports USB Flash Storage, GPS, and Bluetooth Adapter
- Powered by 12-28 VDC Terminal block or PoE (Passive PoE) 18-28 V
- Extended Operating Temperature: -40°F to 167°F (-40°C to 75°C)
- IP30 Rated Casing
- Multiple antenna types to fit various applications: External antenna options
- 5-Year Warranty



INTRODUCTION

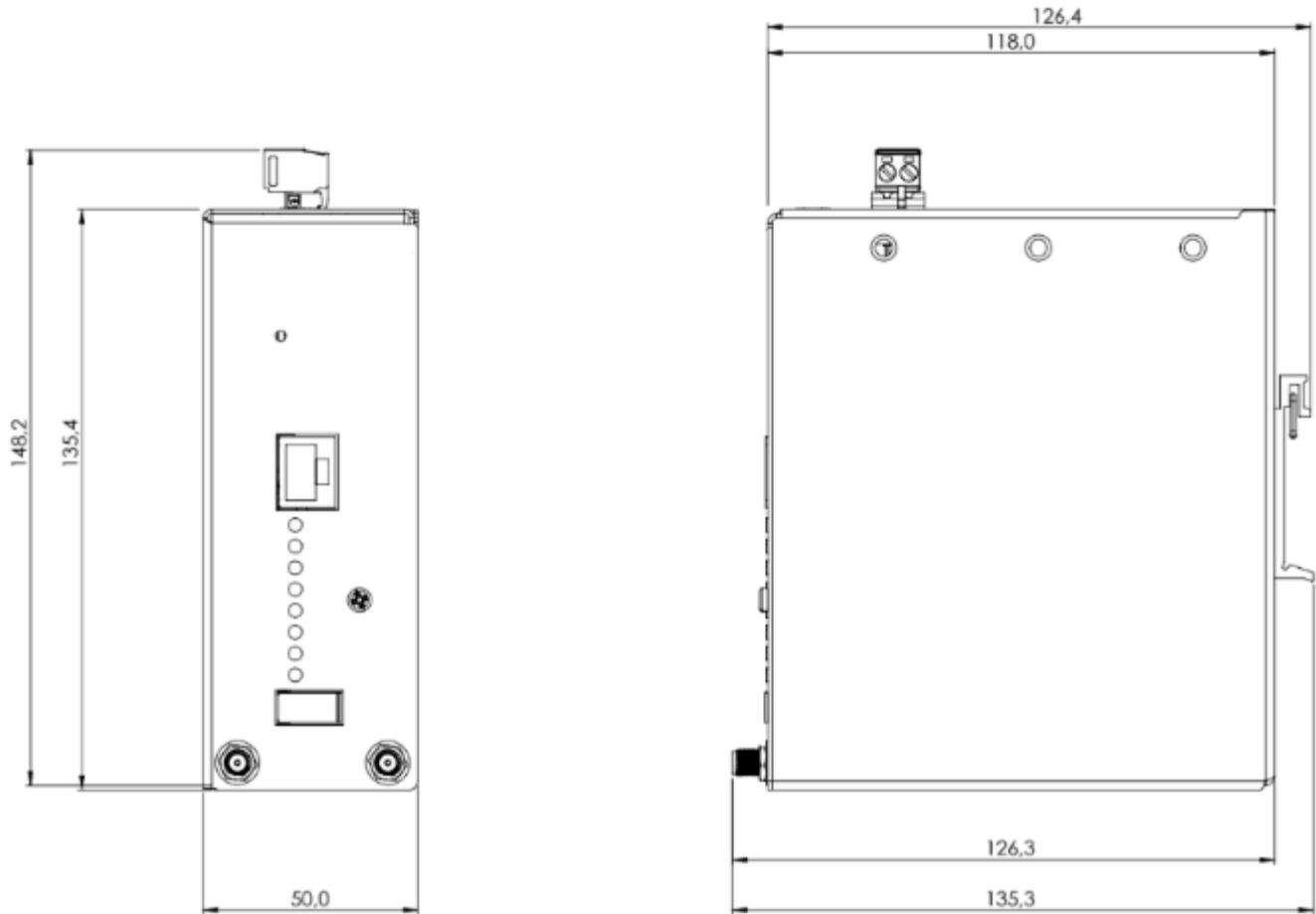
Antaira Technologies' Airolinx-6-DR-T is a single radio industrial 802.11a/n/ac/ax wireless LAN access point with added router capabilities.

The Airolinx-6-DR-T is specifically designed for a wide variety of applications, including:

- Security — Reliable, high-speed Wi-Fi for IP surveillance cameras and security networks.
- Transportation — Ideal for intersection connectivity, public transit networks, and vehicle-to-infrastructure (V2I) communication.
- Automation — Provides seamless wireless connectivity for SCADA applications, remote monitoring, and industrial IoT

Airolinx-6-DR-T is a single-band wireless AP with external antennas, offering customizable coverage up to .4 miles with included antennas. Supports a variety of alternate antennas, including dish, sector, horn and panel antennas, providing extended distances versatility for deployments.

DIMENSIONS



SPECIFICATIONS

Hardware Specifications				
Part Number	RJ45 GbE	Antenna	Cooling System	Operating Temperature
AIROLINX-6-DR-T	1	5Ghz External	Passive	-40 to 75°C -40 to 167°F

Power Specifications				
Power Inputs	System Power Consumption	Max Power Consumption	PoE (Passive PoE) Input Voltage	DC Input Voltage
PoE (Passive)	6 W	15 W	18-28 V	
Input Voltage	6 W	15 W		12-28 VDC

Physical Specifications

Part Number	Dimensions (W x H x D)	Weight (Unit)	Weight (Shipping)	Mounting	Housing	LED Indicators
AIROLINX-6-DR-T [Only sold in USA & Canada]	50 x 135.4 x 118mm 1.97 x 5.33 x 4.65in	0.82kg 1.80lbs	1.09kg 2.40lbs	DIN-Rail	Metal, IP30	Power, Connection, Activity, Signal Strength

Technology

Protocol	IP, TCP, UDP, ARP, BOOTP, ICMP, HTTP, HTTPS, DNS Proxy, NTP, RADIUS, Dynamic DNS, SNMP
IEEE Standards	IEEE 802.11a/n/ac/ax Wi-Fi 6 IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3 1000Base-T Gigabit Ethernet
WLAN Operation Mode	Access Point/Client/Bridge/Repeater/Router
Encryption Security	WPA, WPA2, WPA3, WEP, TKIP, AES
USB Host	- USB GPS receiver: Supports GPS for location and time sync, including NTP client/server via GPS. - GPS services: Built-in GPS daemon with NMEA input, options for NMEA/UBX sentence logging, and GPS-assisted time sync - Standards: GPS, NMEA 0183, Simple Text Output Protocol - Supported USB GPS receivers: VK-162 G-Mouse (tested); NaviSys GM-U01U module + USB cable - USB Flash storage: Supports USB flash drive use - USB Bluetooth adapter (BLE): Supports a USB Bluetooth dongle for Bluetooth sensor / BLE applications (IoT support for Bluetooth sensors) - Bluetooth LE scanning (IoT package): BLE scanner supports common beacon/tag formats (ie. iBeacon and Eddystone)
IoT Package	Bluetooth, MQTT, Modbus

Compliance Specifications

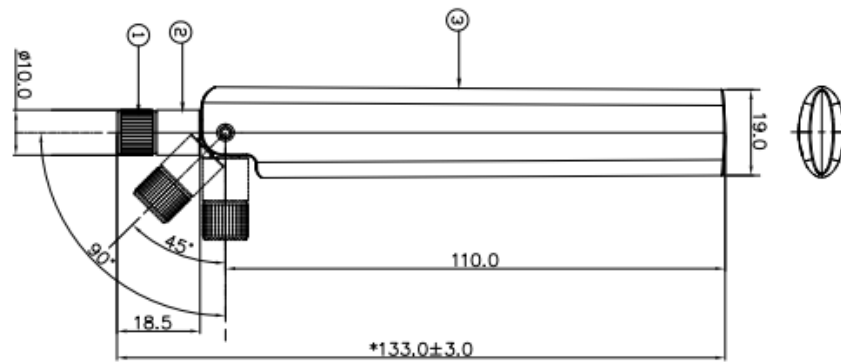
Certifications	CE, FCC, IC, EAC, RoHS Compliance
Warranty	5 Years
Country of Origin	Made in Poland

Antenna Specifications

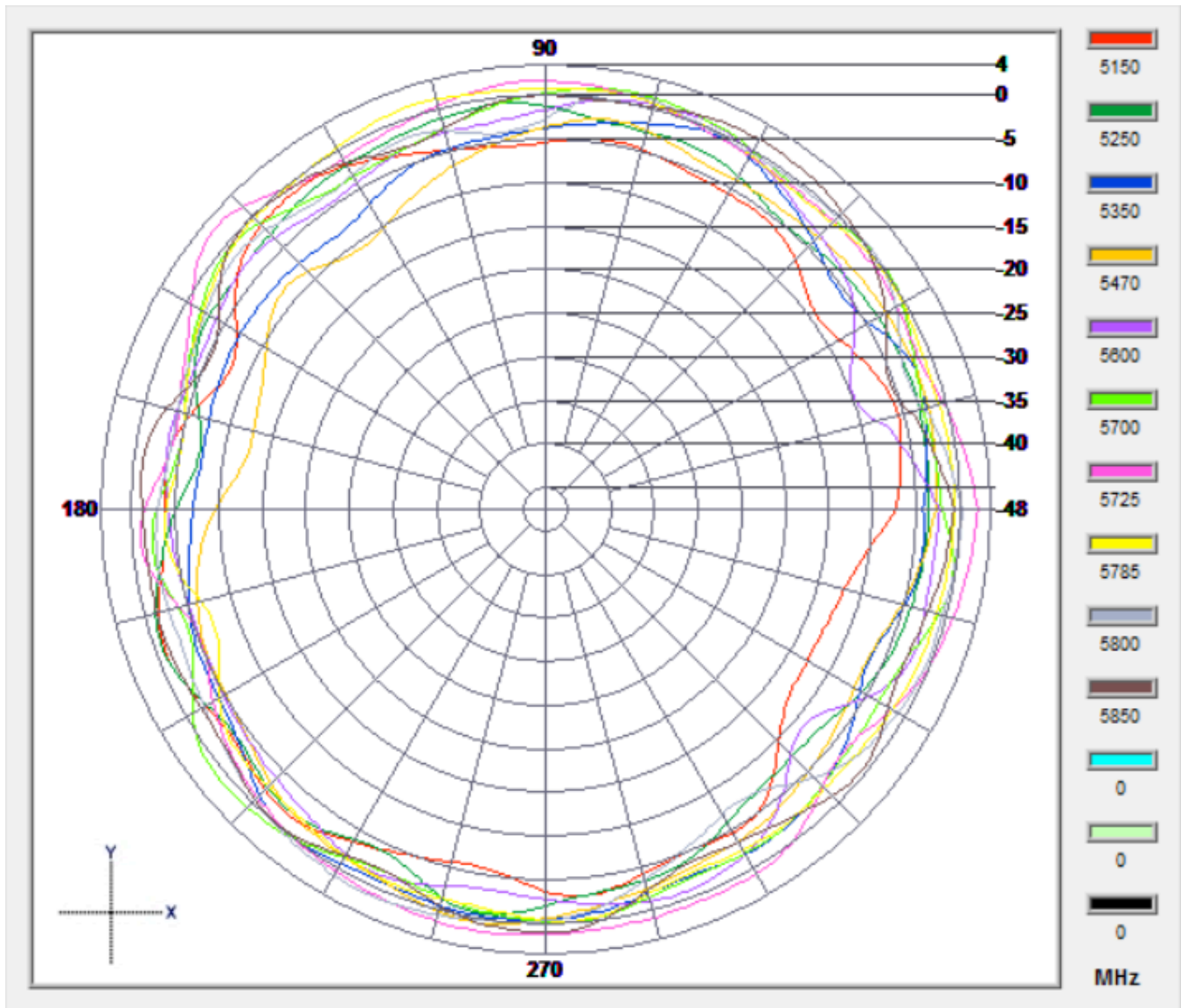
Specifications	Omnidirectional Multiband Antenna
Frequency Range	5.1-5.8GHz
Gain	0.85 dBi / 704 ~ 960 MHz 4.07 dBi / 1710 ~ 2700 MHz 4.62 dBi / 3300 ~ 5000 MHz 4.16 dBi / 5150 ~ 5850 MHz
Polarization	Vertical Linear

VSWR	0.85 dBi / 704 ~ 960 MHz 4.07 dBi / 1710 ~ 2700 MHz 4.62 dBi / 3300 ~ 5000 MHz Z 4.16 dBi / 5150 ~ 5850 MHz
Impedance	50 Ohm
Connector	SMA Male
Dimensions	133 x 19mm
Weight	0.1kg / 0.22lb
Material	Black ABS Plastic
Operating Temperature	-40 to 80°C / -40 to 176°F

Omnidirectional Multiband Antenna Dimensions



Omnidirectional Multiband Antenna Antenna Gain Test - Radiation Pattern



ORDERING INFORMATION

Wireless Models	
Part Number	Description
AIROLINX-6-DR-T [Only sold in USA & Canada]	Industrial DIN-Rail Single Band 5 GHz Wi-Fi 6 (802.11a/n/ac/ax) Wireless Access Point/Client/Bridge/Router, 12-28VDC, EOT: -40°C to 75°C

Optional Accessories	
Part Number	Description
UTS-1110A	Industrial USB to 1-Port RS-232 Converter (DB9M) with TX/RX LED Indicators 80cm/2.6ft
UTS-1458B	USB to 1-Port RS-422/485 Converter (DB9), 1.8M

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Specifications are subject to change without notice and without incurring any obligation.