

## AirMax5X

### 5G High Throughput Outdoor CPE with PoE Pass through

- 2T2R 300Mbps
- IEEE 802.11a/n
- Runs from 5.1GHz to 5.8GHz Spectrum
- 2 x 10/100 Ethernet Port
- Built-in 14dBi Antenna
- Up to Max. 24dBm Output Power
- AP, WDS, WDS+AP, Client, WISP Router, AP Router
- 48V Passive PoE Powered
- DFS Supported
- PoE Pass through up to 30W
- 15KV ESD Protection



AirLive AirMax5X is the latest generation of all-in-one wireless 5GHz CPE built to the highest standard. It greatly surpasses its competitors in value, feature, performance, and reliability. If you are going to build distant outdoor wireless network that can withstand the test of time, look no further, AirMax5X is the most cost-effective choice.

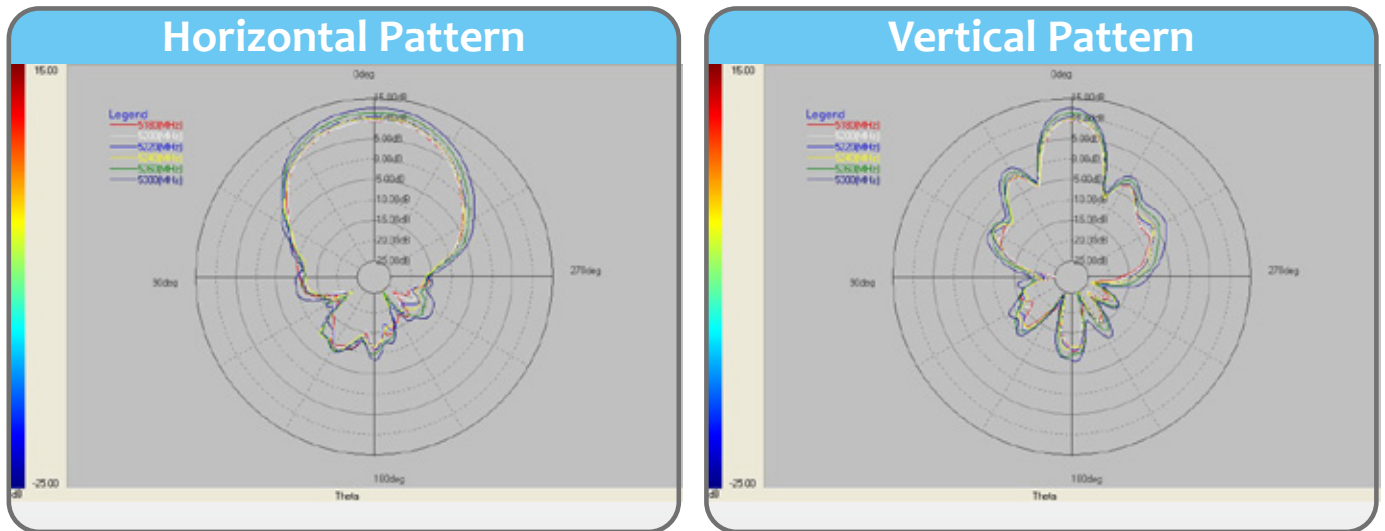
AirMax5X is equipped with 2T2R 14dBi MIMO antenna with built-in advanced 48V Power over Ethernet, making it ideal for the deployment of PoE surveillance cameras.

MIMO antenna provides high throughput for AirMax5X, so AirMax5X can transmit not only data, but also video streaming smoothly. What's better, PoE pass-through saves your trouble on finding power sources for PoE cameras, especially in outdoor environment. It can also help to reduce your cost in installation. Lastly, AirMax5X enclosure is built with high grade anti-UV materials to protect the device from prolonged sunshine and rain. Thus, when you need to build outdoor surveillance, AirMax5X is definitely the best for you!

### Long Distance with High Throughput at 10Km

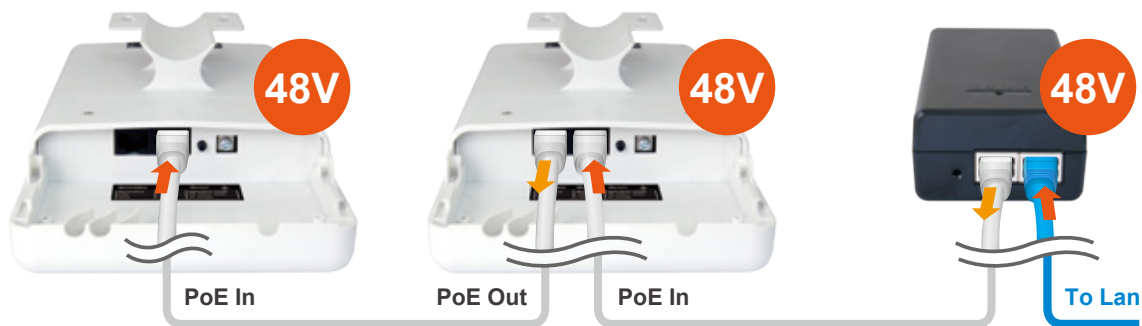
Despite its compact size, AirMax5X is equipped with full performance hardware and software. The high transmission power and high gain MIMO antenna allow longer distance and better signal than its competitors. According to our field test, the throughput was up to 112Mbps at 5Km and 77Mbps at 10Km. This remarkable throughput proves its capability of handling not only data but also video application.

The Beam Width for AirMax5X's directional antenna is up to 30° for Horizontal pattern and 20° for Vertical pattern. Below is the signal pattern:



### PoE Pass-through

Airmax5x provides 48V PoE output for IP cameras or another Airmax5X. The Output Power is up to 30W. This function makes it easier for system integrators to install and maintain APs or IP cameras.



### Multiple Operation Modes

AirMax5X can function as an AP, WDS Station, WDS+AP, Client Infrastructure, WISP Router or AP Router. Therefore, you can switch the CPE to different wireless applications. You can simply start by selecting a wireless mode. AirMax5X will display available options in that wireless mode. No more guessing and experimenting.

### Bandwidth Management

AirMax5X provides the administrator with the capability to control user's bandwidth. The administrators can define different classes of connection speed for different subscription, ensuring smooth data and video transmission.

## Specifications

### Hardware

- 2T2R Wireless 802.11 a/n Standard
- 2 x 10/100 Ethernet Port
- 48V Passive PoE input
- PoE Passthrough
- Reset Button on PoE Injector

### Antenna

- Built-in Directional Antenna: 2T2R 14dBi

### Frequency Band

- 5.1GHz to 5.8GHz

### Data Rate

- 802.11a: up to 54Mbps
- 802.11n (20MHz): up to 140Mbps
- 802.11n (40MHz): up to 300Mbps

### Number of Operation Channel

- 5.18GHz-CH36
- 5.200GHz-CH40
- 5.220GHz-CH44
- 5.240GHz-CH48
- 5.260GHz-CH52
- 5.280GHz-CH56
- 5.300GHz-CH60
- 5.320GHz-CH64
- 5.500GHz-CH100
- 5.520GHz-CH104
- 5.540GHz-CH108
- 5.560GHz-CH112
- 5.580GHz-CH116
- 5.600GHz-CH120
- 5.620GHz-CH124
- 5.640GHz-CH128
- 5.660GHz-CH132
- 5.680GHz-CH136
- 5.700GHz-CH140
- 5.745GHz-CH149
- 5.765GHz-CH153
- 5.785GHz-CH157
- 5.805GHz-CH161
- 5.825GHz-CH165

### Power Supply

- Bundle with Advance Passive 48V/1A PoE Injector
- High input range from 24 ~ 48V DC input acceptable

### Media Access Control

- CSMA/CA

### Sensitivity

- 90dBm@802.11a
- 88dBm@802.11n

### Output Power

- 802.11a/n: up to 24 ± 1dBm

### Mode

- AP, WDS, WDS+AP, Client Infrastructure, WISP Router, AP Router

### Security

- 64/128bit WEP
- WPA (TKIP with IEEE 802.11x)
- WPA2 (AES with IEEE 802.11x)

### Software

- Site Survey with RSSI Signal Survey
- User Friendly Web Management
- Channel list selection
- Support adjustable output power
- WEP over WDS support
- AP, Client, Router, WDS AP, WDS, WISP Modes
- Support DHCP Server
- Support Wireless Access Control, Client Isolation
- Support Virtual Server, DMZ, Port Forwarding
- Support Dynamic, Static IP, PPPoE,
- QoS bandwidth management
- Firewall, IP, Port and MAC filtering
- Firmware upgrade and configuration backup via Web UI

### Temperature

- Operating: -4~158°F (-20~70°C)

### Certificate

- FCC, CE

**Product Size ( L x W x H (mm))**

- 254.1mm X 127.1mm X 64.0mm

**Ordering Information:**

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