

Wi-Fi 6 Wireless Outdoor Access Point

WI-AP518AX

Overview

Wi-Tek outdoor AP supports 802.3at PoE power supply, no external power supply is required. Compatible with 802.11a/b/g/n/ac/ax Wi-Fi protocols, 802.11ax adopts OFDMA, 1024QAM, MU-MIMO, and other key technologies to support faster speed and more user access. Through the cloud management function, users can quickly deploy, configure, remotely manage and operate network-wide devices, which greatly reduces labor costs and time costs during wireless network construction. The AP enclosure is designed with an IP67 rating for outdoor environments and is immune to extreme conditions, is an ideal choice for many outdoor wireless scenarios, especially in rural areas, squares,

Features

Ultra-Fast Wi-Fi 6 Speeds

Simultaneous 1148 Mbps on 2.4 GHz and 2402 Mbps on 5

High-Efficiency Wi-Fi 6

By introducing new technologies such as OFDMA, upstream-MU-MIMO, BSS Coloring, and TWT, the system has greatly improved its performance. Compared with Wi-Fi 5, it has four times more bandwidth and concurrent users, with lower latency and more energy saving.

Cloud Management

The free cloud management platform simplifies a lot of equipment management time and reduces network supervision costs for network administrators.

Support PoE Powered

Supports 802.3at PoE power supply, easy deployment no external power supply is required.

IP67 Protection Class

The enclosure is designed with IP67 protection for outdoor environments and is immune to extreme conditions. It can meet the harsh requirements of ultra-cold and ultra-humid weather. This reduces the

External Antenna Design

A high-quality external antenna, stronger transmitting signal, and better-receiving sensitivity create wide coverage for your Wi-Fi network.

Fast Roaming

802.11k and 802.11v fast roaming provide seamless switching to the access point with the optimal signal when moving between APs.



Specifications

| Products | WI-AP518AX |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hardware Specifications | |
| Wireless Standards | IEEE 802.11ax/ac wave2/wave1/n/b/g/a |
| Operating Bands | 2.4GHz & 5GHz |
| Antenna | External Type-N antennas 2.4Ghz:6dBi, 5GHz: 6dBi |
| Spatial Streams | 2.4GHz: 4x4 MIMO 5GHz: 4x4 MIMO |
| Signal Rate | Up to 1148Mbps at 2.4GHz Up to 2402Mbps at 5GHz |
| Receiver Sensitivity | 2.4GHz 802.11b: -85dBm@11M -92dBm@1M 802.11g: -72dBm@54M -90dBm@6M 802.11n Ht20: -70dBm@MCS7 -88dBm@MCS0 802.11n Ht40: -68dBm@MCS7 -86dBm@MCS0 802.11ax Ht20: -60dBm@MCS11 -85dBm@MCS0 802.11ax Ht40: -56dBm@MCS11 -85dBm@MCS0 5GHz 802.11a: -72dBm@54M -92dBm@6M 802.11n Ht20: -70dBm@MCS7 -90dBm@MCS0 802.11n Ht40: -68dBm@MCS7 -88dBm@MCS0 802.11ac Ht20: -70dBm@MCS7 -90dBm@MCS0 802.11ac Ht40: -68dBm@MCS7 -88dBm@MCS0 802.11ac Ht80: -58dBm@MCS9 -85dBm@MCS0 802.11ax Ht20: -62dBm@MCS11 -88dBm@MCS0 802.11ax Ht40: -58dBm@MCS11 -86dBm@MCS0 802.11ax Ht80: -55dBm@MCS11 -84dBm@MCS0 |
| Maximum Transmit Power | <20dbm |
| Interface | (1)10/100/1000M/2.5G Base-T Ethernet ports |
| Power Supply | 802.3at PoE Supported |
| Power Consumption | <22W |
| Installation | Wall Mounting |
| External Buttons | Reset button (long press for 8 seconds to restore the factory default configuration) |
| Dimensions | 295.1mm*231.1mm*80mm |
| Environment | Operating Temperature: -30°C~55°C Storage Temperature: -40°C~70°C Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing) |

| Software Features | |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Mode | Fit AP, Fat AP, Repeater, WISP mode |
| Wireless Function | Up to 16 SSIDs |
| | Support SSID hiding, Enable/Disable Wireless Radio |
| | RF Parameter setting |
| Roaming | Support Layer 2 roaming |
| Wireless Security | Captive Portal Authentication Static blacklist and whitelist Wireless Isolation Between Clients SSID to VLAN Mapping Support 802.1X WPA/WPA2/PSK/WPA/WPA2-Enterprise |
| Routing | Support static IP, DHCP, PPPoE Dial-Up |
| Management | Support local management with web Support remote management with Wi-Tek Cloud platform |
| Platform Management Features | Automatic RF adjustment via the platform Unified configuration via the platform Unified monitoring via the platform |



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Technical Support



Cloud Management



Company Website