WI-TEK
Communication Solution

We **I**nnovate, **T**ake you **E**xplore un**K**nown!

Wi-Fi 6 Wireless Outdor 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.

We Innovate, Take you Explore unKnown!

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℃~55℃ Storage Temperature: -40℃~70℃ 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

CE FC RoHS

Wireless-Tek Technology Limited

Address: Room 402 4F, BiaoFan Technology Building, Bao'An
Avenue, FuYong Town, Bao'An district, ShenZhen

Website:www.wireless-tek.com

Tel:86-0755-32811290

Email:sales@wireless-tek.com

Technical Support:tech@wireless-tek.com

Technical Support   Cloud Management   Company Website