

Wi-Fi 6 3000Mbps Outdoor Cloud Wireless AP

WI-AP316AX

Overview

Wi-Fi 6 3000Mbps Outdoor Cloud Wireless 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 supports 2.5G SFP port 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

Wi-Fi 6 / 802.11ax standards with Qualcomm ARM Quad-Core CPU.

Simultaneously Dual Band, 574Mbps on 2.4GHz and 2402 Mbps on 5GHz, ultra-fast speed up to 2976Mbps transmission rate.

External Omni MU-MIMO antennas configured and FEM built in 2.4GHz & 5.8GHz, greatly expand Wi-Fi coverage and highly improve data transceiver rate.

Support 2.5G SFP port for a lightning-fast user experience.

Support PoE power supply, no extra DC adapter required, Pole Mount or Wall Mount, fit for outdoor deployment.

Specially designed weatherproof enclosure for outdoor environment.

Support cloud management, PC can easily access advanced network settings through cloud management.



Specifications

Products	WI-AP316AX
Hardware	
Wireless Standards	Wi-Fi 6: 5.8 GHz IEEE 802.11ax/ac/n/a 2.4 GHz IEEE 802.11ax/n/b/g
Signal Rate	AX3000: 5 GHz: 2402 Mbps (802.11ax, HE160) 2.4 GHz: 574 Mbps (802.11ax)
Receiver Sensitivity	2.4G: 802.11b: -96dBm@1Mbps, -89dBm@11Mbps 802.11g: -92dBm@6Mbps, -76dBm@54Mbps 802.11n: HT20: -90dBm@MCS0, -74dBm@MCS7 HT40: -89dBm@MCS0, -72dBm@MCS7 5.8G 802.11a: -93dBm@6Mbps, -76dBm@54Mbps 802.11n: HT20: -91dBm@MCS0, -74dBm@MCS7 802.11n: HT40: -90dBm@MCS0, -72dBm@MCS7 802.11ac: VHT80: -89dBm@MCS0, -62dBm@MCS9 802.11ax: HE80: -88dBm@MCS0, -57dBm@MCS11 HE160: -86dBm@MCS0, -54dBm@MCS11
Maximum Transmit Power	27dBm
Antenna	5GHz 5 dBi, External Omni Waterproof 2.4GHz 5 dBi, External Omni Waterproof
RAM	512M DDR3
FLASH	128M NAND FLASH
Interface	1x Gigabit Ethernet (RJ-45)Port (supports IEEE 802.3af/at PoE) 1x 2.5 Gigabit (SFP)
LEDs	1x Power Light 1x ETH Light 1x SFP Light 3x WiFi Signal Lights
Dimensions (W x D x H)	216 x 102 x 42 mm (without antenna & mounting kit) 381 x 102 x 62 mm (with antenna & mounting kit)
Environment	Operating Temperature: -30°C ~ 70°C Storage Temperature: -40°C ~ 70°C Operating Humidity: 10% ~ 90%RH non-condensing Storage Humidity: 5% ~ 90%RH non-condensing
Protection Grade	IP67
Power Consumption	≤15W
Power Supply	48V 350mA 802.af/at PoE
Button	Reset

Software Features	
Operating Mode	Fit AP, Fat AP, Repeater, WISP
Wireless Function	Up to 16 SSIDs
	Support SSID hiding, enable/disable wireless radio
	Manual and automatic channel assignment
	Manual and automatic bandwidth assignment
	TxPower control
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/WPA3
Internet Connection Type	Support static IP, DHCP, PPPoE Dial Up
Management	Support local management with web Support centralized management with AC 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