

11AC 1200MBPS WAVE 2 OUTDOOR AP

W5 O1200

1200 mbps Dual Band Gigabit Outdoor Wireless Access Point


 2x5dB omni
 high grade antennas


 Professional Outdoor Shell
 IP65 Dust Proof / Water Proof,
 No Fear of Wind & Rain


 Industrial Grade CPU. Operates
 steadily in wide temperature


 Upto 128+ Online users



DESCRIPTION

W5-O1200 an 11ac Wi-Fi standard, Dual Band, High Power, Industrial use Outdoor Wireless Access Point with the next generation 802.11ac Wi-Fi standard, support 2x2 MU-MIMO technology combined with 1200 Mbps Wi-Fi speed over 2.4GHz (300 Mbps) and 5GHz (900 Mbps) supporting practically more than 100 client devices for high density deployments. The AP comes with the Gigabit Ethernet WAN and LAN ports. This mode is suitable for deployments options for park, school, open spaces, large warehouse, sea port, open banquets, swimming pool or other similar deployments.

FIT / FAT Operation Mode

W5-O1200 support FIT and FAT operation modes. In FIT Mode the AP work with the WLAN Controller, supports plug and play deployment, centrally monitored and management by the WLAN Controller, mostly for enterprise applications.

In FAT Mode the AP work in the standalone configuration and support operational modes as Access Point, Repeater, Gateway, WISP. The AP can be configured by GUI. This mode is suitable for use or very few AP deployment scenarios without need of controller.

ABS weather-proof case

W5-O1200 with ABS waterproof, dust proof and sun-screen shell, avoid the damage from dust, rainy weather. Meantime, it adaptive to various environment, the maximum working temperature can be at -40°C to 55°C suitable for harsh weather conditions.

High Power, 5dBi omni antenna, more Wi-Fi Range

Designed in two-line Power Amplifier on PCB board, the power can be 300mW high power, built in (integrated) 5dBi Omni directional dual band antenna extends the Wi-Fi coverage to larger distance.

Power over Ethernet

W5-O1200 has integrated IEEE 802.3af Power over Ethernet (PoE). Transporting both power and data across a single ethernet cable ease the installation and lower the cost. This can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

MU-MIMO, Wave2.0 Technology

Comply with Wave2.0 Technology, it adopts 256QAM modulation, support MU-MIMO (Multi-User Multiple-Input Multiple-Output), greatly to improved the communication efficiency and performance.

Beamforming, DFS, Airtime Fairness, Band Steering, OFDM support

W5-O1200 support many functions like Beamforming, DFS (Dynamic Frequency Selection), Airtime Fairness, Band Steering (5G Prior), OFDM (Orthogonal Frequency Division Multiplexing), RF Power adjustable to improve the performance and Wi-Fi stability.



KEY FEATURES

- ▶ Professional outdoor shell design, IP65 dust proof/water proof level.

Adopt ABS outdoor engineering plastic shell and industrial components, to provide IP65 level water proof, dust proof and lightning protection, adapt to wind, sun, thunderstorm, snow and freeze or other adverse environments even in extreme high and low temperature environment

- ▶ With Qualcomm QCA9563 chipset , Flash 16MB .DDR128MB, greatly improved the data processing performance and allow more end users acces.
- ▶ Increase receive and transmit range, improved wireless transmission quality using the independent external power amplifier circuit and low noise amplifier receiving circuit design.
- ▶ Long wireless coverage, transfer all kinds of data smoothly, do not have any latency.

W5-O1200 is a high power outdoor access point with increased wireless coverage / range, can meet the demands for outdoor Wi-Fi project large area coverage, specialize in high power design, can ensure strong wireless signal and stable performance .

- ▶ RF power is adjustable according to the actual use environment. Reduced WiFi interference between each other to improve wireless stability.
- ▶ Comply with IEEE 802.11ac/b/g/n, dual band, 1200 Mbps Data Rate, 11ac 2x2 MIMO Technology, 1*WAN and 1*LAN Gigabit Ethernet Ports.
- ▶ Support active IEEE 802.3af 48V PoE standard.
- ▶ Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz)
- ▶ Support Gateway (PPPOE, static IP, dynamic IP), Wireless AP, Repeater, WISP operation mode in FAT AP.
- ▶ With function of Built-in basic firewall, IP, URL & MAC Filter.
- ▶ Comply with IEEE 802.3az standard, RF power adjustment and frequency analyzer for better application in different environment.

HARDWARE SPECIFICATION

HARDWARE

Chipset	: Qualcomm QCA9563+QCA9886+QCA8334
Standard	: 802.11 a/b/g/n/ac, MIMO technology
Memory	: 128MB DDR2 RAM
Flash	: 16MB
Interface	: 1 * 10/100/1000Mbps RJ45 WAN Port, WAN port support IEEE 802.3at standard PoE : 1 * 10/100/1000Mbps RJ45 LAN Port : 1 * DC injector, 12V/1.5A : 1 * Reset button, press 15 seconds to revert to default setting
Antenna	: Built-in Dual Band 5dBi MIMO Omni Antenna
Power consumption	: 48V PoE<30W
Size	: 315mm * 145 mm * 80 mm

RF DATA

Frequency	: 2.4G: 802.11b/g/n; 5GHz: 802.11a/n/ac : 2.4GHz: 2.4GHz to 2.484GHz : 5GHz: 5150 -5850 GHz
Modulation	: OFDM = BPSK, QPSK, 16-QAM, 64-QAM : DSSS = DBPSK, DQPSK, CCK
Throughput	: 1200Mbps (2.4G 300Mbps, 5.8G 900Mbps)

RECEIVE SENSITIVITY & RF POWER

Storage Humidity	: 5%~95% non-condensing
Management	: Firmware GUI , Remote Management, WLAN Controller, Cloud Management System

ANTENNA SPECIFICATIONS

Antenna	: Frequency Range	2.4GHzGHz
	: Gain	4dBi
	: V.S.W.R	≤2
	: Impedence	50Ω
	: Polarization	Vertical
	: Radiation	Omni

APPLICATION

PACKAGE

W5-O1200	: 1
Lan cable	: 1
Gfit Box	: 1
DC/POE Adapter	: 1 (optional with extra cost)

