

IWAP3214G

1 GIGABIT WAN/LAN Interface

Outdoor Waterproof Type Covering AP

Product description

IWAP3214G is a high-performance, high-speed industrial 11ac 1200Mbps dual-band base station. Using professional industrial-grade Qualcomm chips, providing 2.4GHz and dual 5.8GHz wireless services, with 1 Gigabit WAN/LAN port, 1 optical port, the highest wireless rate can reach 1200Mbps, the wireless environment is cleaner, and wireless access is more stable. There are more wireless access users and faster wireless speeds, providing a good solution for wind power, high-speed service areas, smart cities and other environments. 2.4G and 5Gwifi are equipped with two independent signal amplifiers (PAs) and Ina, and an external 5dbi omnidirectional suction cup antenna. Wireless coverage is longer. Stronger; support intelligent channel analysis and automatic selection of the best channel, reduce interference and delay, and provide a stable wireless network signal. IWAP3214G supports Wave2's MU-MIMO (Multi-User Multiple Input Multiple Output) technology, supports 8 spatial streams, 160MHz channel bandwidth and 256QAM modulation technology, greatly improving the transmission rate.



Features:

- Qualcomm enterprise-level main control chip, industrial-level circuit design, support IEEE802.11a/b/g/n/ac protocol, and provide 1200Mbps wireless access speed
- Combined with MIMO technology, the circuit design of high power and high receiving sensitivity is adopted
- The device supports 4 groups of SSID issuance, SSID is hidden, and the gateway mode supports flow control function
- The equipment supports 2 ways of omnidirectional antenna and directional antenna (choose 1 from 2), and the deployment is flexible
- Ceiling design, flexible and simple installation, with wall-mounted and pole-mounted installation.

Product specifications

Product parameter	
Model	IWAP3214G
Main chip	Qualcomm IPQ4019+QCA9886+QCA8075 high-performance enterprise chip
Main frequency	580MHz
Wireless technology	2.4G: 802.11b/g/n; 5.8G: 802.11a/n/ac
Memory	128MB DDR RAM
Flash	512MB
Network Interface	2*10/100/1000 Mbps adaptive network interface
Button	1*Reset Press and hold for 15 seconds to restore factory settings
Indicator light	WAN, LAN network interface status indicator, thin: management status light; fat: mode status light
Power supply	48V 802.3AF standard/24V non-standard POE power supply, power supply version can be selected, DC 12V 1A, power consumption <20W
Working environment	Temperature: -40°C ~ +70°C (work), -40°C ~ +85°C (storage) Humidity (non-condensing): 5% to 90% (working), 5% to 95% (storage)
Antenna	Built-in 2 dual-frequency high-gain 5dBi omnidirectional antennas, external full-line antennas are optional
RF characteristics	
Frequency Range	ISM band: 2.400GHz ~ 2.4835GHz
Channel distribution	2.4G: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Modulation	802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Output Power	2.4G: 11n @MCS7:26±2DB @MCS0:28±2DB
Receiving sensitivity	2.4G: 11n: -70dbm@MCS7 -88dbm@MCS0.
EVM	802.11n: ≤-28 DB 802.11g: ≤-25 DB
Frequency deviation	±20ppm
Fat AP version software features	
Operating mode	AP mode
Belt machine quantity	80 people
Management method	Chinese WEB remote management
Cloud management	Free binding cloud account, real-time remote management of equipment
Wireless management	WLAN configuration/WLAN analyzer/Radio configuration/wireless users

Flow control	Gateway mode is supported, other modes are not supported, total export bandwidth configuration Bandwidth control of shared upload and shared download based on IP address segment, and single IP single upload and single download
System	Device description, time zone and time configuration, login password modification, backup/restore system settings
System update	Local update and online update based on WEB browser
Restart	Restart immediately / scheduled
System	Factory reset/system restart
Warranty	
Warranty period	5 Years
Certification	CE/FCC/RoHS

Ordering Information

IWAP3214G	Gigabit WAN*1+Gigabit LAN*1, outdoor type covering AP
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