

IWAP3102

1 100M WAN/LAN Interface

Industrial Grade Outdoor Coverage AP

Product description

IWAP3102 is a high-performance waterproof outdoor base station product that supports 802.11AC technology. It can work in both 2.4G and 5.8G frequency bands at the same time, and meet the needs of 80 people for wireless high-speed Internet access at the same time. Fast network interface, 2.4G 802.11N 300Mbps + 5G 802.11AC 450Mbps wireless access speed, wireless processing speed up to 750Mbps. It has the characteristics of high performance, high gain, high receiving sensitivity, high bandwidth, high access number, etc. It can not only cover a larger range, but also provide higher wireless transmission performance and stability. It is a campus, scenic spot, pipe gallery, etc. The best choice for wireless access in high-density environments.



Features:

- Qualcomm enterprise-class main control chip
- Industrial-grade circuit design
- Support IEEE802.11AC protocol
- Provide 750Mbps wireless access speed
- High-power and high-receiving circuit design
- Support 4 sets of SSID delivery and SSID hiding.
- Support flow control
- Support omnidirectional antennas and directional antennas
- IP67 waterproof design
- flexible to deploy and simple installation

Product specifications

Product parameter

Model	IWAP3102
Main chip	Qualcomm QCA9531+QCA9887 750Mbps high-performance enterprise chip
Main frequency	580MHz
Wireless technology	2.4G: 300Mbps 802.11b/g/n, 5.8G: 450Mbps 802.11a/n/ac MIMO technology
Memory	128MB DDR RAM
Speed	750Mbps wireless access speed
Flash	16MB
Network Interface	1*10/100Mbps adaptive RJ45 interface, supporting POE function
Button	1*Reset Press and hold for 15 seconds to restore factory settings, WPS/Reset,
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℃~+70℃(work), -40℃~+85℃(storage) Humidity (non-condensing): 5% to 90% (working), 5% to 95% (storage)
Antenna	Two external dual-band high-gain 8dBi omnidirectional antennas (or directional 10/13dBi)

RF characteristics

Frequency Range	ISM band: 2.400GHz ~ 2.4835GHz, 5.150GHz ~ 5.850GHz
Channel distribution	2.4G: 1、2、3、4、5、6、7、8、9、10、11、12、13 5.8G: 36、40、44、48、52、56、60、64、149、153、157、161、165
Modulation	802.11a: OFDM (BPSK,QPSK,16-QAM,64-QAM) 802.11b: DSSS (DQPSK, DBPSK, CCK) 802.11g: OFDM (BPSK, QPSK,16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK,16-QAM, 64-QAM) 802.11ac: OFDM (BPSK, QPSK,16-QAM, 64-QAM, 256-QAM)
Output Power	2.4G: 11n @MCS7:26±2DB @MCS0:28±2DB 11g @54M:27±2DB @6M:29±2DB 11b @11M:28±2DB @1M:30±2DB 5.8G: 11a @54M 23±2DB @6M 26±2DB 11n @HT20:MCS7 20±2DB @MCS0 25±2DB 11ac@HT80:MCS9 20±2DB @MCS0 23±2DB

Receiving sensitivity	2.4G: 11n: -70dbm@MCS7 -88dbm@MCS0. 11g: -72dbm@54Mbps -88dbm@6Mbps. 11b: -85dbm@11Mbps -94dbm@1Mbps. 5.8G: 11a: -72dbm@54Mbps -90dbm@6Mbps. 11n@HT20: -70dbm@MCS7 -90dbm@MCS0. 11ac@HT80: -60dbm@MCS9 -86dbm@MCS0.
EVM	802.11n: ≤ -28 DB 802.11g: ≤ -25 DB 802.11b: ≤ -10 DB 802.11a: ≤ -25 DB
Frequency deviation	± 20 ppm

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 Functions	Enable/Disable Wireless Radio
	WMM (Wi-Fi Multimedia)
	Wireless MAC Address Filtering
	Wireless Statistic
Wireless management	WLAN configuration/WLAN analyzer/Radio configuration/wireless users 64/128/152-bit WEP / WPA / WPA2, WPA-PSK / WPA2-PSK SNMP
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

Warranty

Warranty period	5 Years
Certification	CE/FCC/RoHS

Ordering information

IWAP3102	1 port 100M WAN/LAN RJ45 interface supporting POE function, outdoor type covering AP
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