

BL270HW

Dual Band 11AC 750Mbps Outdoor Wireless Access Point



BL270HW is an 11ac 750Mbps 2.4Ghz+5.8Ghz Dual-Band High-Performance Outdoor Wireless Access Point equipped with powerful Qualcomm Chipset, it's specifically designed to operate in residential and commercial applications. Comply with IEEE 802.11 a/b/g/n/ac WiFi standard, it is 2.4GHz+ 5.8GHz dual radio, with data rate up to 750Mbps(300Mbps in 2.4G, 433Mbps in 5.8G), enables users to enjoy high stable and faster network surfing even access into 80 end-users. Designed in a two-line Power Amplifier and Low Noise Amplifier on PCB board, the power can be 500mw high power, 8dBi MIMO high gain antenna greatly increased the WiFi range and reduced the noise interference. It also supports intelligent channel analysis and automatic selection of optimal channels to reduce interference and delay and provide stable wireless network signals. Dual-band high speed with MU-MIMO Wave 2 technology, fit for many environments which request for multiple users access, like airport/ pier/ school/ station/ meeting hall. In addition, the BL270HW has integrated IEEE 802.3at standard Power over Ethernet (PoE), can achieve 100+ meters network cable power supply, housed in a stylish ceiling mountable case, for easy installation and lower cost. Based on the CAPWAP protocol, centralized managed by WLAN control, plug and play, simple operation, zero-configuration in large quantity installation. It's your superior choice for outdoor WiFi Hotspot coverage.

Hardware

Model	BL270HW
Chipset	Qualcomm QCA9531+QCA9887
Basic Frequency	580MHz
Standard	IEEE 802.11a/b/g/n/ac
RAM	128MB
Flash	16MB
Interface	1*10/100 Mbps adaptive LAN+1*10/100 Mbps WAN network interface
Button	1*Reset Press and hold for 15 seconds to restore factory settings
Indicator Light	WAN, LAN network interface status indicator FIT: management status light FAT: mode status light
Power Supply	48V 802.3AT standard / 48V non-standard POE power supply, power supply version can be selected, power consumption <20W
Operating/StorageTemperature	Working Temperature: -40 ° C ~ +65 ° C Storage Temperature:-40 ° C ~ +70 ° C Humidity 5% to 90% non-condensing
Antenna	2 dual-band 8dBi omni directional

Radio Frequency

Frequency Range	2.ISM band: 2.400GHz ~ 2.4835GHz 5.150GHz ~ 5.850GHz
Channel	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 Type	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 22±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 Offset	±20ppm

4G Module

Working Mode	AP, Gateway, WISP, Repeater, WDS Mode
Qty of Users	80
Flow Control	Gateway mode support, other modes are not supported, total egress bandwidth configuration Shared upload, shared download based on IP address segment and single-machine upload and single-machine download bandwidth control of single IP

Wireless Management	WLAN Configuration / WLAN Analyzer / Radio Configuration / Wireless User
System	Device description time zone time configuration login password modification backup/restore system settings
System Update	Based on WEB browser local update, online update
Restart	Immediate/timed restart