

BL270Q

Indoor Dual Band 750Mbps Ceiling Mounted Wireless Access Point



BL270Q is a 11ac Ceiling Wireless Access Point equipped with excellent Qualcomm QCA9531+ QCA9887 Chipset, it is specifically designed to operate in residential and commercial applications. Comply with IEEE 802.11ac/n/g/b standard, it is 2.4GHz and 5GHz dual radio, with data rate up to 750Mbps(300Mbps in 2.4G, 433Mbps in 5G), enables users to enjoy more stable and faster Ethernet surfing even access into 80+ end users. Designed in two-line Power Amplifier and Low Noise Amplifier on PCB board, the power can be 500mW high power, 5dBi 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 Wave2 technology, fit for many environments which request for multiple users access, like airport/ pier/ school/ station/ meeting hall. In addition, the BL270Q 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. What's more, it can access into cloud server for remote management. It's the superior choice for indoor WiFi Hotspot coverage.

Product Features:

- 1.802.11ac MU-MIMO Wave-2 Technology, faster and more internet access.
- 2.AP supports VLAN management across three layers.
- 3.Support Multi SSID, SSID VLAN isolation.
- 4.Seamless roaming, load balancing.
- 5.Spectrum navigation, 5G priority.
- 6.Separation of business and management IP.
- 7.AP alarm and rescue, AP track.

Product parameters	
Model	BL270Q
Chipset	Qualcomm QCA9531+QCA9887
RAM	128MB
Flash	16MB
Size	188*188*40mm
Interface	WAN/LAN *1 : 10/100/Ethernet supports 802.3at POE
	1*DC jacket
Power	802.3at POE 48V 0.5A
Wireless specification	
Working frequency	Radio I: 11b/g/n : 2.412 ~ 2.484 GHz Radio II: 11ac/a/n :5.18 ~ 5.24 & 5.26 ~ 5.32 & 5.5 ~ 5.7 & 5.745 ~ 5.825 GHz

Wireless specification

Modulation	OFDM: BPSK, QPSK, 16-QAM, 64-QAM DBPSK, DQPSK, CCK	
Working channel	North America 11, Japan 14, Europe 13 5G depends on the country you set up	
Wireless setting	Working mode AP Wireless mode 11ac/11a/11b/ 11g /11n Channel selection (displays the number of channels in different areas by country setting) Channel bandwidth (Auto, 20Mhz, 40Mhz) Transmission rate 2.4GHz: 11n only, 11b/g/n mix, 11b only, 11b/g, 11g only 5GHz: 11n only mode, 11a/n mix mode, 11a only mode, 11ac only mode	
Receiving sensitivity (typical)	802.11b -95dBm @ 1Mbps -91dBm @ 11Mbps 802.11g -94dBm @ 6Mbps -78dBm @ 54Mbps 802.11n (2.4GHz) -90dBm @ MCS0 -73dBm @ MCS7 -87dBm @ MCS8 -70dBm @ MCS15	802.11a -94dBm @ 6Mbps -78dBm @ 54Mbps 802.11n (5GHz) -90dBm @ MCS0/HT20 -71dBm @ MCS7 /HT20 -87dBm @ MCS1/HT40 -68dBm @ MCS7/HT40
802.11b	1Mbps-11Mbps	27+/-2 dBm
	6Mbps -9Mbps	27+/-2 dBm
	12Mbps -18Mbps	25+/-2 dBm
	24Mbps -36Mbps	25+/-2 dBm
	48Mbps -54Mbps	25+/-2 dBm
	MCS 0-1 / 8-9	27+/-2 dBm
	MCS 2-3 / 10-11	27+/-2 dBm
	MCS 4-5 / 12-13	27+/-2 dBm
	MCS 6-7 / 14-15	27+/-2 dBm

Wireless specification

802.11b	6Mbps~9Mbps	25+/-2 dBm
	12Mbps~18Mbps	23+/-2 dBm
	24Mbps~36Mbps	23+/-2 dBm
	48Mbps~54Mbps	23+/-2 dBm
	MCS 0-1 / 8-9	23+/-2 dBm
	MCS 2-3 / 10-11	23+/-2 dBm
	MCS 4-5 / 12-13	23+/-2 dBm
	MCS 6-7 / 14-15	23+/-2 dBm
	MCS9	23+/-2 dBm

Software specifications

System Requirements

System Requirements	Windows XP,7 ,8,10, MAC OS X (10.4 or above)
Management method	WEB IP
Support browser	Microsoft IE 6.0 or above, Firefox 2.0 or above ,Chrome

Status

System status	System message	System runtime, device name, wireless MAC address, LAN port MAC address, country, current time, software version
	Current IP settings	IP address, subnet mask, default gateway, DHCP, DNS.

Software specifications

Status

System status	Current wireless settings	Ap mode, wireless channel/frequency, Layer 2 user isolation, multiple SSID settings
User list	Display the users on the current connection, only the users who are authenticated and connected normally	
System log	Display system triggered log events	

Wireless function list

Operating mode	AP
802.11 mode selection	802.11b/g/n/ac
Channel setting	Manual / Auto (automatically select the best channel)
Transmission rate setting	Manual / Auto
Output power control	User-defined output power in dBm
Power saving mode	Wireless power saving mode is controllable
Multiple SSID support (multiple APs)	Support 2.4G 4 SSID support 5.8G 4 SSID Separate WIFI settings and security settings for each SSID

Wireless function list

WEP	WPE(64/128bit)
WPA/WPA2	TKIP/AES
MAC address filtering	Provide 30 MAC address filtering
802.1x certification	MD5/ TLS/ TTLS, PEAP

Software specifications

Wireless function list

802.1x support	TTLS, PEAP
LAN port settings	IP (check validity and DHCP server IP range) MAC
DHCP server	DHCP address pool length update time DHCP user list
Multiple SSID VLNA	SSID-based 802.1Q VLAN
Tag/ Untag option	Independent VLAN settings can be enabled or disabled
Backup/restore settings	Backup Current Settings Restore Backup Settings Restore Factory Defaults
QOS management	WMM
Network management	Support management software centralized management
Firmware upgrade	Allows users to save current settings or restore factory defaults due to upgrades
Advanced management	Automatic restart setting
RADIUS account	Support

Environmental and physical parameters

Operating temperature	Operating temperature: -10 ° C ~ 55 ° C Storage temperature: -20 ° C ~ 65 ° C
Humidity	0%~90% typical non-condensing