

BL220Q

Indoor 300Mbps Ceiling Mounted Wireless Access Point



BL220Q is a Cost-effective and High Performance 300Mbps 2.4GHz indoor ceiling Wireless Access Point. It uses a powerful Qualcomm QCA9531 chip to provide excellent wireless coverage services. It's the best choice of wireless network coverage for crowded places like Airport, hotel, school, hospital, office, supermarket, campus, smart city, etc.

Product Features:

- 1.AP supports VLAN management across three layers.
- 2.Support Multi SSID, SSID VLAN isolation.
- 3.Seamless roaming, load balancing.
- 4.Separation of business and management IP.
- 5.AP alarm and rescue, AP track.

Product parameters	
Model	BL220Q
Chipset	Qualcomm QCA9531
RAM	64MB
Flash	16MB
Size	33*23*5.5cm
Interface	WAN/LAN *1 : 10/100/Ethernet supports 802.3at POE
	1*DC Jacket
Power	802.3at POE 48V0.5A
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	
Wireless setting	<p>Working mode AP Wireless mode 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</p>	
Receiving sensitivity (typical)	<p>802.11b -95dBm @ 1Mbps -91dBm @ 11Mbps 802.11g -94dBm @ 6Mbps -78dBm @ 54Mbps 802.11n (2.4GHz) -90dBm @ MCS0 -73dBm @ MCS7 -87dBm @ MCS8 -70dBm @ MCS15</p>	
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	WindowsXP,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

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 802.11an
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

Wireless function list

WEP	WPE(64/128bit)
WPA/WPA2	TKIP/AES
MAC address filtering	Provide 30 MAC address filtering

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
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: -40 ° C ~ 70 ° C Storage temperature: -40 ° C ~ 85 ° C
Humidity	0%~90% typical non-condensing