Product Overview

C540 is an Qualcomm Chipset high power industrial Ceiling Wireless Access Point with the next generation 802.11ac Wi-Fi standard, combined 1200Mbps Wi-Fi speed over 2.4GHz (300Mbps) and 5GHz (900Mbps), support Wave2, equipped Gigabit WAN & LAN port, data rate make more than 100 end users can access into C540 with faster Ethernet, make them to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks, widely be used in school, hospital, hotel, office, shipping mall..

Main Features

- Comply with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate
- 1x10/100/1000Mbps WAN Port, 1x10/100/1000Mbps LAN Port
- 1000mW high power, build in 5dBi MIMO antenna, stronger signal strength, more wireless coverage, 16M Flash, 128M DDR2 RAM, more user, more stable
- Support active IEEE 802.3at 48V PoE standard
- Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz)
- Support Gateway (PPPOE, static IP, dynamic IP) , Wireless AP, Repeater, WISP operation mode
- With function of build in firewall, IP filter, URL filter and MAC filter
- Comply with IEEE 802.3az standard, RF power adjustment and frequency analyzer for better application in different environment
- Support DDNS, VPN pass through, Port forwarding and DMZ host
- Support 64/128-bit WEP security, EAP, 128bit WPA (TKIP/AES) security

High Power for more range and stable signal

Designed in two line Power Amplifier on PCB board, the power can be 26±2dBm high power, 4dBi MIMO high gain antenna, together with Ceiling mount, greatly increase the wireless range and supply the stable Wi-Fi signal for users.

Wave 2 Technology

With Wave 2 Technology, it adopt 256QAM modulation, support MU-MIMO (Multi-User Multiple-Input Multiple-Output), 160MHz Frequency, greatly to improved the communication efficiency.

Power over Ethernet

C540 has integrated IEEE802.3at Power over Ethernet (PoE), for easy installation and lower cost. So it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

Access Controller System & Cloud Management System

With Access Control System, easily access advanced network settings through PC, like AP status monitor, change IP address, ESSID, Channel, Password, upgrade firmware, backup and restore.

Then work with Cloud Management System, easy to do central and remote management, advertisement and multiple captive portal authentication make this AP more professional in Wi-Fi Projects.

Hardware	
Chipset	Qualcomm QCA9563 + QCA9886 +QCA8334
Standard	802.11ac/b/g/n, MIMO technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	1 * 10/100 /1000Mbps RJ45 WAN Port
	1 * 10/100 / 1000Mbps RJ45 LAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Build in 4dBi MIMO Antenna
Power consumption	48V PoE<30W
Size	198mm*198mm X 28mm
Weight	0.5KG

RF Data					
Frequency	2.4G:802.11b/g/n; 5GHz:802.11a/n/ac				
	2.4GHz, 5GHz				
Country code	FCC, IC, ETSI, MKK, MKK1, MKK2, MKK3, NCC, RUSSIAN, CN				
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM				
	DSSS = DBPSK, DQPSK, CCK				
Throughput	1200Mbps				
2.4GHz RF Power	802.11b	11M	24±2dBm	1M	26±2dBm
	802.11g	54M	23±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	24±2dBm
5.8G RF Power	802.11a	54M	21±2dBm	6M	24±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	23±2dBm
	802.11ac HT80	MCS9	19±2dBm	MCS0	22±2dBm
2.4G Receive Sensitivity	802.11b	11M	-85dBm	1M	-94dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
5.8G Receive Sensitivity	802.11a	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0 .	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0 .	-86dBm
	802.11ac HT80	MCS9	-58dBm	MCS0 .	-85dBm
EVM	2.4G: 802.11b: ≤-10 dB; 802.11g: ≤-25 dB; 802.11n: ≤-28 dB 5.8G: 802.11a: ≤-25dB; 802.11n: ≤-28 dB; 802.11ac: ≤-32 dB				
PPM	±20ppm				
Max Users	128+				

Specifications

Firmware Features	
Operation mode	Wireless AP, Gateway, WISP, Wi-Fi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)
Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Protocols	IPv4
Others	
Package Contents	• 1200Mbps Dual Band wireless access point • Ethernet Cable • Quick Installation Guide • Setting Accessory
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Environment	• Operating Temperature: -30~55 ℃ • Max Operating Temperature: -40~70 ℃ • Storage Temperature: -40~70 ℃ • Humidity: 5%~95% non-condensing
Management	Firmware GUI , Remote Management, WLAN Controller, Cloud Management System