DA1200

11ac 1200Mbps High Power Outdoor Wireless AP

Product Overview

DA1200 is the 1200Mbps high power industrial use Outdoor wireless access point with the next generation 802.11ac Wi-Fi standard, support 2x2 MU-MIMO technology, it is dual band, 2.4GHz (300Mbps) and 5GHz (900Mbps), Gigabit WAN/LAN port, the fast Ethernet data rate and clear frequency make 100+ end users can access into it to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks.

What's more, with IP67 water-proof level, lightning protection, it can install at every place to work as an stable base station for more wireless range and more access users.

Main Features

- Comply with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate
- 1*10/100/1000Mbps WAN Port, 1*10/100/1000Mbps LAN Port
- 300mW high power, Qualcomm Chipset, 16M Flash, 128M DDR2 RAM, more user, more stable
- Support 48V active PoE, work with IEEE 802.3at standard PoE switch or 48V PoE adapter.
- Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz), support tag VLAN based on SSID to protect the whole data safety.
- Support Gateway (PPPOE, static IP, dynamic IP) , Wireless AP, Repeater, WISP operation mode
- With function of 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

FEATURES

ABS weather-proof case

DA1200 with ABS waterproof, dust proof and sunscreen shell, avoid the damage from dust, rainy weather. Meantime, it adaptive to various environment, the maximum working temperature can be at -40℃ to 55℃. Suit for any country.

High Power, 5dBi omni antenna, more Wi-Fi Range

Designed in two line Power Amplifier on PCB board, the power can be 300mW high power, build in 5dBi omni Wi-Fi antenna, outdoor Wi-Fi range up to 100 meters.

Power over Ethernet

DA1200 has integrated active 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. Pls note, the default is 48V IEEE 802.3at PoE, 24V Passive PoE is possible by change PCB board.

MU-MIMO, Wave2.0 Technology

Comply with Wave2.0 Technology, it adopt 256QAM modulation, support MU-MIMO (Multi-User Multiple-Input Multiple-Output), greatly to improved the communication efficiency.

Beamfrorming, DFS, Airtime Fairness, Band Steering, OFDM support

DA1200 support many functions like Beamfrorming, DFS(Dynamic Frequency Selection), Airtime Fairness, Band Steering (5G Prior), OFDM (Orthogonal Frequency Division Multiplexing), RF Power adjustable to improve the performance and Wi-Fi stability.

Access Controller System & Cloud Management System

Work with WLAN controller in wireless AP operation mode, 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 multi authentication make this device more professional in Wi-Fi Projects.

SPECIFICATIONS					
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, WAN port support IEEE 802.3at standard PoE				
	1 * 10/100/1000Mbps RJ45 LAN Port				
	1 * DC injector, 12V/1.5A				
	1 * Reset button, press 15 seconds to revert to default setting				
Antenna	Build in omni antenna, 5dBi, MIMO				
Power consumption	48V PoE<30W				
Size	315mm * 145 mm * 80 mm				
RF Data					
Frequency	2.4G: 802.11b/g/n; 5GHz: 802.11a/n/ac				
	2.4GHz: 2.4GHz to 2.484GHz / 5GHz: 5150 -5850 GHz				
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM				
	DSSS = DBPSK, DQPSK, CCK				
Data Rate	1200Mbps (2.4G 300Mbps, 5.8G 900Mbps)				
Receive Sensitivity & RF Power					
2.4G RF Power	802.11b	11M	21±2dBm	1M	23±2dBm
	802.11g	54M	20±2dBm	6M	22±2dBm
	802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
5G RF Power	802.11a	54M	19±2dBm	6M	21±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
	802.11n HT40	MCS7	17±2dBm	MCS0	19±2dBm
	802.11ac HT80	MCS9	16±2dBm	MCS0	18±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
5G Receive Sensitivity	802.11a	54M	-74dBm	6M	-90dBm
	802.11n HT20	MCS7	-72dBm	MCS0 .	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0 .	-86dBm
	802.11ac HT80	MCS9	-58dBm	MCS0 .	-80dBm
EVM	2.4G: 802.11b: ≤-10 dB; 802.11g: ≤-25 dB; 802.11n: ≤-28dB 5G: 802.11a: ≤-25 dB; 802.11n: ≤-28 dB; 802.11ac: ≤-32 dB				
PPM	±20ppm				
Max Users	128				

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Firmware Features	
Operation mode	Wireless AP, Gateway, WISP, WiFi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)
Wireless Security	WPA / WPA2, WPA-PSK/ WPA2-PSK
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: -30~45 ℃ Maximum Working Temperature: -40 ~55℃(Throughput some attenuation) Storage Temperature: -40~70 ℃ Storage Humidity: 5%~95% non-condensing
Management	Firmware GUI , Remote Management, WLAN Controller, Cloud Management System

APPLICATIONS