Air Pro®

11AC 1200Mbps High Power Outdoor Wireless AP

OVERVIEW

AirPro AIR MO1200 is a 1200Mbps high power industrial use Outdoor Wireless Access Point and comes with next generation 802.11ac Wi-Fi standard, 2X2 MIMO technology, Gigabit WAN/LAN port, it works on dual band and combines 1200Mbps Wi-Fi speed, i.e. 2.4GHz (300Mbps) and 5GHz (900Mbps). At a Fast Ethernet data rate allows more than 100 users to access into wireless network and enjoy uninterrupted HD movies, online games, wireless security and other bandwidth-intensive tasks.

MAIN FEATURES

- Comply with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate.

- 1*10/100Mbps WAN Port , 1*10/100/1000Mbps LAN Port.

- 1000mW 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.

- Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security.

ABS waterproof, dust proof and sunscreen shell, temperature adaptive & board protective
AIR MO1200 comes with ABS waterproof, dust proof and sunscreen shell, to avoid damage in dust and rainy weather. Also, it adapts to various environment, i.e. the working temperature can be from -20°C to 55°C, suitable for any country.

High Power, 5dBi Omni antenna, higherWi-Fi Range
Designed on the PCB board with two line power amplifier, comes with 500mW high power and is built with 5dBi omni Wi-FI antenna, which increases outdoor Wi-Fi range upto 500 meters.

Power over Ethernet
AIR MO1200 has integrated active Power over Ethernet (PoE) for easy installation and is available at affordable cost. Therefore, it can be installed in areas where power outlets are not promptly accessible, thereby eliminating the mess of altering existing network infrastructure. Please Note, AIR MO1200 supports 48V IEEE 802.3at PoE or 24V Passive PoE, change is possible via PCB board.

Access Controller System & Cloud Management System

It works with WLAN controller in wireless AP operation mode, allows easy access to advanced network settings through PC, including AP status monitor, change IP address, ESSID, channel, password, upgrade firmware, backup and restore, etc.

Additionally, it works with Cloud Management System, providing easy central and remote management, advertisement and multi authentication, which makes this device more professional in Wi-Fi Project.

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TECHNICAL SPECIFICATIONS

Hardware:	
Chipset	Qualcomm QCA9563 + QCA9882 +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 * 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: 2.4~2.4835GHz, 5GHz: 5180~5825MHz
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	1200 Mbps (2.4G 300Mbps, 5.8G 900Mbps)
Receive Sensitivity & RF Power	
RF Power	2.4G: 11n @MCS7:23±2DB, @MCS0:25±2DB.
	11g @54M:24±2DB, @6M:26±2DB.
	11b @11M:26±2DB, @1M:25±2DB.
	5.8G: 11a @54M:24±2DB, @6M:28±2DB.
	11n @MCS7:22±2DB, @MCS0:24±2DB.
	11ac @MCS9:21±2DB, @MCS0:23±2DB.
Receive 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: -70dbm@MCS7, -90dbm@MCS0.
	11ac:-60dbm@MCS9, -86dbm@MCS0.

TECHNICAL SPECIFICATIONS

EVM	11n: ≤-28 DB
	11g: ≤-25 DB
	11b: ≤-10 DB
	11a: ≤-25 DB
PPM	±20ppm
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, 802.1x 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: -40~55 °C,
	Storage Temperature: -40~70 °C
	Operating Humidity: 10%~90% non-condensing;
	Storage Humidity: 5%~90% non-condensing
Management	Firmware GUI, Remote Management,
	WLAN Controller,
	Cloud Management System

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