Air Pro ®

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11AC 750Mbps High Power Outdoor Wireless AP

PRODUCT OVERVIEW

Air MO750 is an Qualcomm Solution 11ac high power industrial use Outdoor wireless access point with the next generation 802.11ac Wi-Fi standard, combined 750Mbps Wi-Fi speed over 2.4GHz (300Mbps) and 5GHz(450Mbps), fast Ethernet data rate make100+ end users can access into it to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks.

QUICK OVERVIEW

- Comply with IEEE 802.11ac/b/g/n, dual band, 750Mbps Data Rate

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

- 500mW high power, Qualcomm Chipset, 16M Flash, 128M DDR2 RAM, more user, more stable.

- Support 24V Passive PoE or 48V IEEE 802.3af PoE.

- 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.

KEY FEATURES AND HIGHLIGHTS

ABS waterproof, dust proof and sunscreen shell:-
Air MO750 with ABS waterproof, dust proof and sunscreen shell, avoid the damage from dust, rainy weather. Meantime, it adaptive to various environment, the working temperature can be normal at -40°C to 55°C. Suit for any country.

High Power, 5dBi Omni antenna, higherWi-Fi Range:-
Designed in two line Power Amplifier on PCB board, the power can be 500mW high power, build in 3PCS omni antenna, outdoor WiFi range up to 500 meters.

Power over Ethernet:-
Air MO750 has integrated 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 24V Passive PoE; 48V IEEE 802.3af active PoE is optional by extra price.

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 WiFi Projects.

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PRODUCT SPECIFICATIONS
Technical Specifications

Item	Air MO750
Chipset	Qualcomm QCA9531+QCA9887
Standard	802.11ac/b/g/n, MIMO technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	1 * 10/100Mbps RJ45 WAN Port
	1 * 10/100Mbps RJ45 LAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	3PCS Omni antenna, 5dBi
Power consumption	24V PoE<10W
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	750 Mbps (2.4G 300Mbps, 5.8G 450Mbps)
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.
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	750Mbps Dual Band wireless access point,PoE Adapter
	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: 0~40 °C(32 °C~104°C)
	Storage Temperature: -40~70 °C (-40 °C~158°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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