



DESCRIPTION:

AP750 is a 1200Mbps high power industrial use Outdoor wireless access point with the next generation 802.11ac Wi-Fi standard, 2x2 MIMO technology, dual band, 2.4GHz(300Mbps) and 5GHz(900Mbps), with Gigabit WAN/LAN port, fast Ethernet data rate and clear frequency. Supports 100+ end users to access seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks.

ABS waterproof, dust proof and sunscreen shell; temperature adaptive and board protective

AP750 with ABS waterproof, dust proof and sunscreen shell avoids damages from dust & rainy weather. It is adaptive to various environments - working temperature can be between -20°C to 55°C.

High Power 5dBi omni antenna; more WiFi Range

Designed with two line Power Amplifier on PCB board, the power can be 500mW high power, built in 5dBi omni WiFi antenna provides outdoor WiFi range of up to 500 meters.

Power over Ethernet

AP750 has integrated active Power over Ethernet (PoE) for easy installation. It can be installed in areas where power outlets are not readily available, eliminating the challenges associated with altering of existing network infrastructure. The default is 48V IEEE 802.3at PoE.

FEATURES

- Complies with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate
- 1*10/100/1000Mbps WAN Port, 1*10/100/1000Mbps LAN Port
- 1000mW high power, Qualcomm Chipset, 16MB Flash, 128MB DDR2 RAM
- Supports 48V active PoE, compatible with IEEE 802.3at standard PoE switch or 48V PoE adapter.
- Supports SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz), supports tagged VLAN based on SSID to protect data.
- Supports Gateway (PPPOE, static IP, dynamic IP), Wireless AP, Repeater, WISP operation modes.
- Provides functions of firewall, IP filter, URL filter and MAC filter
- Complies with IEEE 802.3az standard, RF power adjustment and frequency analyzer for better application in different environments
- Supports DDNS, VPN pass through, Port forwarding and DMZ host
- Supports 64/128-bit WEP security, 128bit WPA (TKIP/AES) security

SPECIFICATIONS

Hardware:

Chipset	Qualcomm QCA9531 + QCA9887
Standard	802.11ac/b/g/n, MIMO technology
Memory	128MB DDR2 RAM
Flash	16MB
Interface	1 * 10/100/100Mbps RJ45 WAN Port
	1 * 10/100/100Mbps RJ45 LAN Port
	1 * Reset button, press 15 seconds to revert to default setting
Antenna	Built in omni antenna, 5dBi, MIMO
Size	315mm * 145 mm * 80 mm

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:28±2DB. 5.8G: 11a @54M:24±2DB, @6M:26±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

RF Data

Frequency	2.4GHz: 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
Data Rate	750Mbps (2.4GHz 300Mbps, 5.8GHz 450Mbps)

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 Ethernet Cable
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