**Air Pro**

**XDS6500**

# 2200Mbps WAVE2 11ac Dual Band Access Point

## Boost your wireless signal and enjoy ultimate coverage with a PoE Access Point

- Comply with IEEE 802.11ac/b/g/n, tri-band, 2200Mbps Data Rate.

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

- 500mW high power, build in 5dBi MIMO antenna, stronger signal strength, more wireless coverage, 32M Flash, 512M DDR3 RAM, more user, more stable.

- Support active IEEE 802.3at 48V PoE standard.

- Support SSID broadcasting, Multi SSID up to 12 (4 SSID in 2.4GHz, 8 SSID in 5GHz).

- Support Gateway (PPPOE, static IP, dynamic IP) , Wireless AP, Repeater, WISP operation mode.

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## OVERVIEW

XDS6500 is an 11ac Wi-Fi standard Qualcomm Chipset high power industrial Ceiling Wireless Access Point support MU-MIMO, Wave2.0.Combined 2200Mbps Wi-Fi speed over 3 radios: 2.4GHz(400Mbps)+5GHz(900Mbps)+5GHz(900Mbps), equipped Gigabit WAN & LAN port, fast Ethernet data rate make more than 200 end users can access into XD6500 with faster speed, 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...

**HIGH POWER FOR MORE RANGE AND STABLE SIGNAL:**
Designed in Power Amplifier on PCB board, the power can be 500mW high power, 5dBi MIMO high gain antenna, together with Ceiling mount, greatly increase the wireless range and supply the stable Wi-Fi signal for users.

**METAL CASE, PERFECT HEAT DISSIPATION TO EXTEND THE WORKING LIFE:**
The bottom shell with metal shell, improved the heat dissipation function, make it work as normal in -30°C to 70°C, extend the device working life.

**WAVE 2 TECHNOLOGY:**
With Wave 2 Technology, it adopt 256QAM modulation, support MU-MIMO (Multi-User Multiple-Input Multiple-Output), 8 Spatial Steams, greatly to improve the communication efficiency.

**POWER OVER ETHERNET AND DC POWER AVAILABLE:**
XDS6500 has integrated IEEE802.3at Power over Ethernet (PoE), for easy installation and lower cost. What's more, it support DC input if need, 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, plug and play, zero configure the AP's IP address, ESSID, Channel, Password, upgrade firmware, backup and restore. What's more, the AC controller with local authentication function, easy to do advertisement and captive portal authentication like Member/WeChat/SMS login. Besides that, administrator can remote manage the AC controller or wireless AP at any place/time, simple and cost save in maintenance.

## KEY FEATURES

- Comply with IEEE 802.11ac/b/g/n, tri-band, 2200Mbps Data Rate.
- 1*10/100/1000Mbps WAN Port, 1*10/100/1000Mbps LAN Port, Gigabit Ethernet.
- 500mW high power, build in 5dBi MIMO antenna, stronger signal strength, more wireless coverage, 32M Flash, 512M DDR3 RAM, more user, more stable.
- Support active IEEE 802.3at 48V PoE standard.
- Support SSID broadcasting, Multi SSID up to 12 (4 SSID in 2.4GHz, 8 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.

## CEILING MOUNT ACCESS POINT OTHER MODELS

### XDS9500S

**300Mbps Ceiling Mount AP**
- High Power 300Mbps Access Point • 2*5 dbi MIMO Antenna
- WPA/WPA2 encryptions for defence against security threats
- Seamlessly compatible with 802.11b/g/n devices
- Supports 24V/1A PoE • Support Multiple SSID
- Support 802.1Q VLAN

### Air M600

**600Mbps Ceiling Mount AP**
- High Power 600Mbps Access Point • 3*5 dbi MIMO Antenna
- WPA/WPA2 encryptions for defence against security threats
- Seamlessly compatible with 802.11b/g/n devices
- Supports 24V/1A PoE • Support Multiple SSID
- Support 802.1Q VLAN

### Air M750

**750Mbps Ceiling Mount AP**
- High Power AC Dual Band 750Mbps Access Point
- 4 dbi MIMO Antenna • Support Multiple SSID
- WPA/WPA2 encryptions for defence against security threats
- Seamlessly compatible with 802.11a/b/g/n devices
- Supports 24V/1A PoE • Support 802.1Q VLAN

### Air M1200

**1200Mbps Ceiling Mount AP**
- High Power AC Dual Band 1200Mbps Access Point
- 4*5 dbi MIMO Antenna
- WPA/WPA2 encryptions for defence against security threats
- Seamlessly compatible with 802.11a/b/g/n devices
- Supports 24V/1A PoE • Support Multiple SSID
- Support 802.1Q VLAN • Supports 24V/1A PoE / 48V PoE

**DATASHEET**

## TECHNICAL SPECIFICATIONS

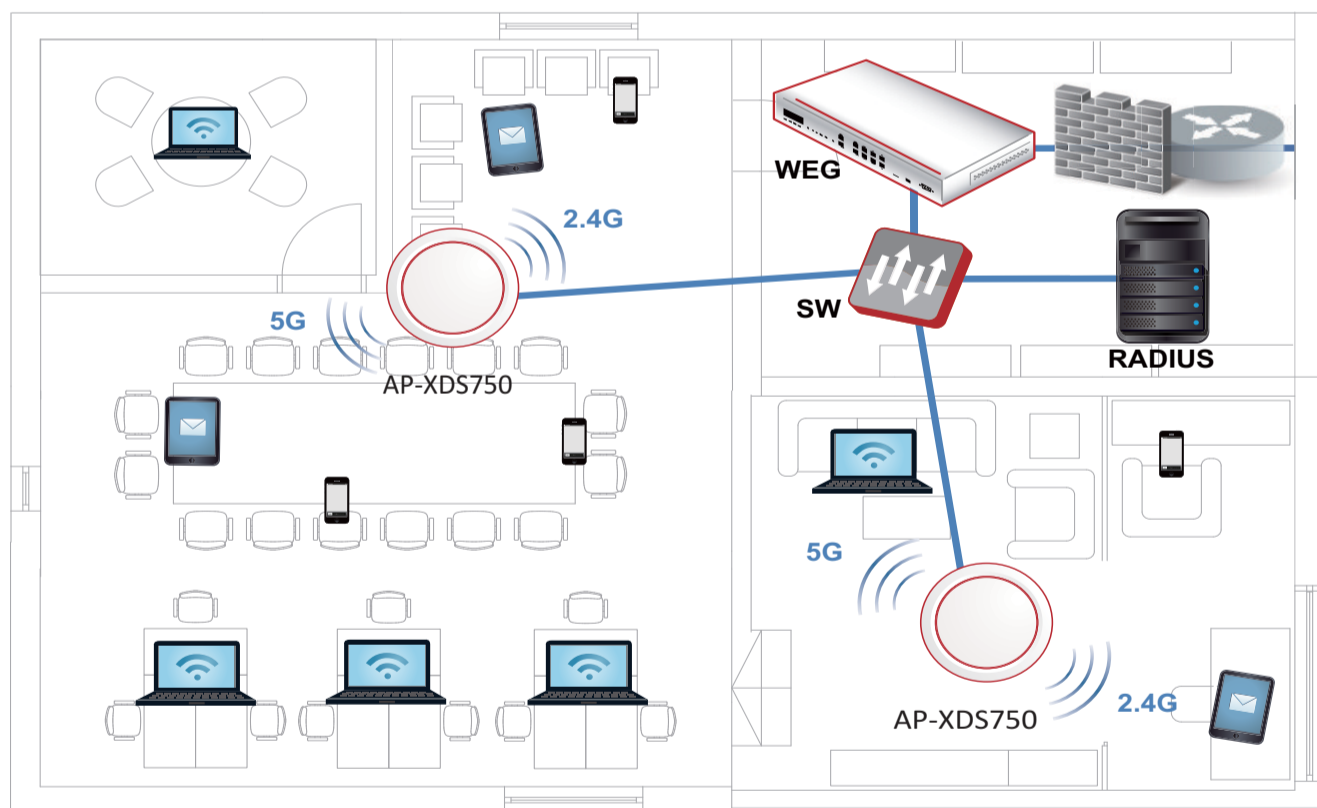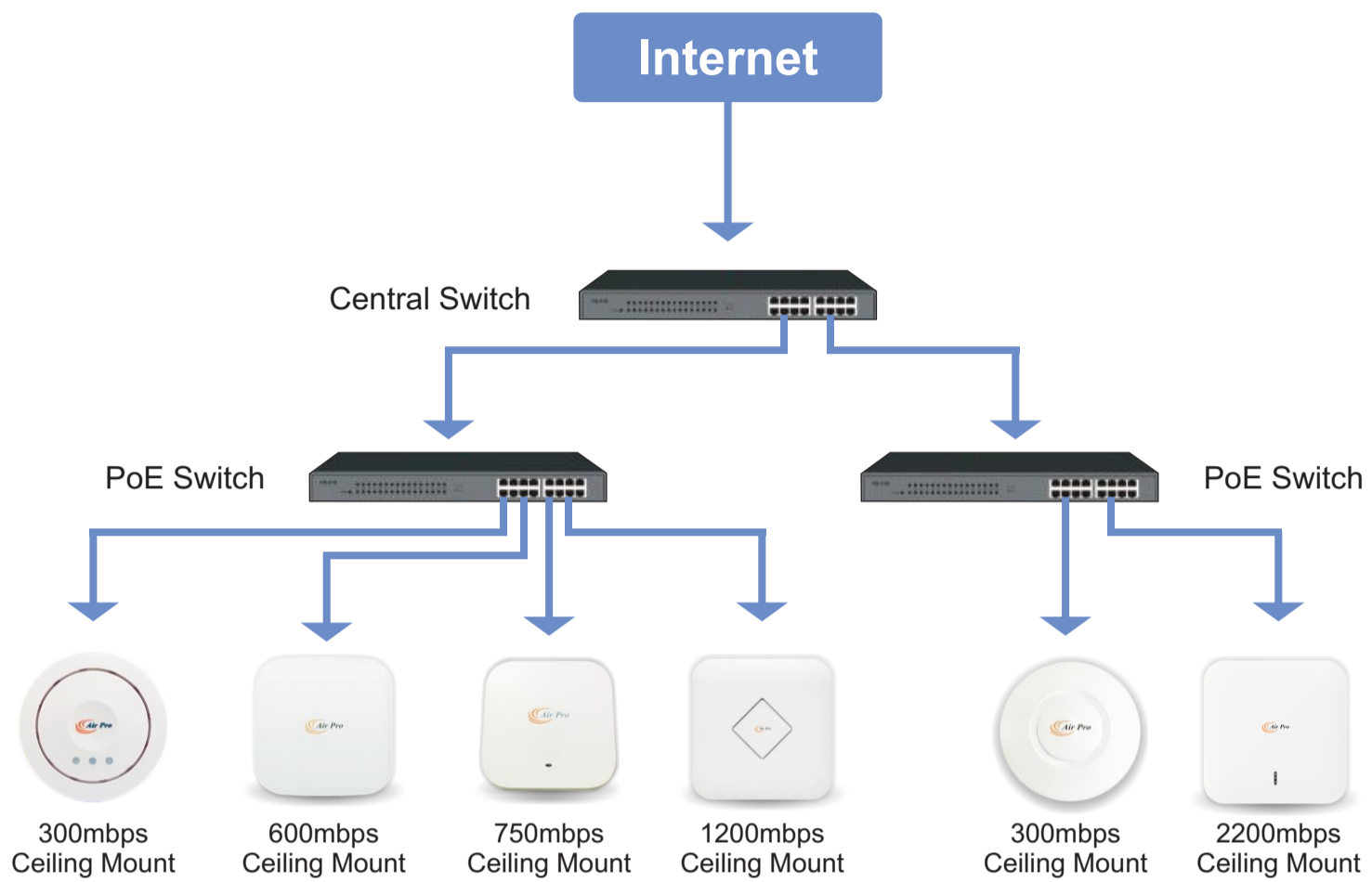| Hardware | |
|---|---|
| Chipset | Qualcomm IPQ4019+QCA9886+QCA8075 |
| Standard | 802.11ac/b/g/n, MIMO technology |
| Memory | 512MB DDR3 RAM |
| Flash | 32MB |
| Interface | 1 * 10/100 /1000Mbps RJ45 WAN Port |
| | 1 * 10/100 / 1000Mbps RJ45 LAN Port |
| | 1 * Reset button, press 10 seconds to revert to default setting |
| Antenna | Build in 5dBi MIMO Antenna |
| Power consumption | 48V PoE<30W |
| Size | 198mm X 32mm |

| RF Data | | | | | |
|---|---|---|---|---|---|
| Frequency | 2.4G:802.11b/g/n: 2.4GHz − 2.484GHz | | | | |
| | 5GHz:802.11a/n/ac MIMO: 5.150GHz～5.850GHz | | | | |
| Country code | FCC, IC, ETSI, MKK, MKK1, MKK2, MKK3, NCC, RUSSIAN, CN | | | | |
| Modulation | OFDM = BPSK,QPSK, 16-QAM, 64-QAM, 128-QAM, 256-QAM | | | | |
| | DSSS = DBPSK, DQPSK, CCK | | | | |
| Throughput | 2200Mbps | | | | |
| 2.4G RF Power (IPQ4019) | 802.11b | 11M | 23±2dBm | 1M | 25±2dBm |
| | 802.11g | 54M | 22±2dBm | 6M | 24±2dBm |
| | 802.11n HT20 | MCS7 | 21±2dBm | MCS0 | 23±2dBm |
| | 802.11n HT40 | MCS7 | 21±2dBm | MCS0 | 23±2dBm |
| 5G RF Power (IPQ4019) | 802.11a | 54M | 19±2dBm | 6M | 21±2dBm |
| | 802.11n HT20 | MCS7 | 18±2dBm | MCS0 | 20±2dBm |
| | 802.11n HT40 | MCS7 | 18±2dBm | MCS0 | 20±2dBm |
| | 802.11ac HT80 | MCS9 | 17±2dBm | MCS0 | 19±2dBm |
| 5G RF Power (QCA9886) | 802.11a | 54M | 19±2dBm | 6M | 21±2dBm |
| | 802.11n HT20 | MCS7 | 18±2dBm | MCS0 | 20±2dBm |
| | 802.11n HT40 | MCS7 | 18±2dBm | MCS0 | 20±2dBm |
| | 802.11ac HT80 | MCS9 | 17±2dBm | MCS0 | 19±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 | -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 EVM: 802.11b: $\leq$-10 dB; 802.11g: $\leq$-25 dB; 802.11n: $\leq$-28dB | | | | |
| | 5G EVM: 802.11a: $\leq$-25 dB; 802.11n: $\leq$-28 dB; 802.11ac: $\leq$-32 dB | | | | |
| PPM | ±20ppm | | | | |
| Max Users | 256+ | | | | |

## TECHNICAL 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, 8 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 | 2200Mbps Tri-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: -20~55 ℃ |
| | Limit working temperature: -30~70 ℃ |
| | Storage Temperature: -40~70 ℃ |
| | Humidity: 5%~95% non-condensing |
| Management | Firmware GUI, Remote Management, WLAN Controller, Cloud Management System |

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# AirPro Wi-fi Solution

**Internet**

Central Switch

PoE Switch

PoE Switch

300mbps
Ceiling Mount

600mbps
Ceiling Mount

750mbps
Ceiling Mount

1200mbps
Ceiling Mount

300mbps
Ceiling Mount

2200mbps
Ceiling Mount

2.4G

5G

AP-XDS750

WEG

SW

RADIUS

5G

AP-XDS750

2.4G

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