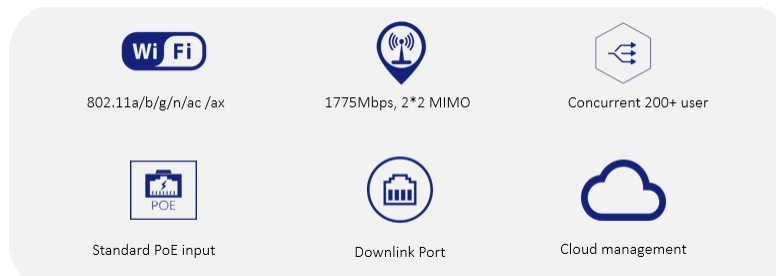


Indoor 802.11ax Wi-Fi 6 wireless access point

OVERVIEW

AIR-AP605C-X1 is a dual-band high-performance gigabit wireless access point device based on the 802.11ax standard launched by AIRPRO, it could offer maximum 1775Mbps access rate. AIR-AP605C-X1 works in the 2.4GHz and 5GHz frequency bands and supports advanced wireless technologies such as MU-MIMO, OFDMA, spatial multiplexing, and TWT. The first radio of AIR-AP605C-X1 works in the 2.4GHz frequency band and can provide a maximum access rate of 575Mbps; the second radio works in the 5GHz frequency band and can provide a maximum



FEATURES

- Enterprise-class indoor 802.11ax Wi-Fi 6 wireless access point.
- Wireless user management at a fine granularity.
- Flexible installation.
- Downlink Port.
- Good PoE compatibility.
- Dual-mode fit & fat.

KEY FEATURES & HIGHLIGHTS

Enterprise-class indoor 802.11ax Wi-Fi 6 wireless access point:-

AIR-AP605C-X1 supports the 802.11ax standard, operates in both 2.4 GHz and 5 GHz band, and provides an access bandwidth up to 1775 Mbps. This model is the best choice for Entry-level office or company as it can support concurrent users up to 254.

Wireless user management at a fine granularity:-

AIR-AP605C-X1 can support a maximum of 8 WLANs to implement multi-layer multi-service management of wireless users at a fine granularity. Each WLAN supports access control and uplink/downlink rate limit based on MAC or IP addresses. These WLANs may be bound to virtual local area networks (VLANs).

Flexible installation:-

AIR-AP605C-X1 supports wall mounting, ceiling mounting, T-keel mounting, you can deploy it almost everywhere that you want.

Downlink Port:-

AIR-AP605C-X1 provides 1 downlink port for the accessing of wired devices, which improves the flexibility of networking deployment.

Good PoE compatibility:-

AIR-AP605C-X1 can work well with all PoE switch (cisco, HUAWEI, juniper, AirPro etc.) which support 802.3af & at standard, this allows to power up AIR-AP605C-X1 directly, a power adapter is not required anymore.

Dual-mode fit & fat:-

AIR-AP605C-X1 can work in fit or fat mode and can flexibly switch between the fit mode and the fat mode according to network planning requirements.

TECHNICAL SPECIFICATIONS

| Hardware Item | AIR-AP605C-X1 |
|------------------------------|---|
| Dimensions (L*W*D) (mm) | 180 x 180 x 28.5 |
| Uplink-port | 1* 10/100 /1000Base-T (PoE) |
| Downlink port | 1* 10/100 /1000Base-T |
| Console port (RJ-45) | 1 |
| Power supply | 802.3 at PoE and External power adapter (Input: 100~240V AC, Output: 12 V DC) |
| LED indicators | Power, 2.4G, 5G |
| Maximum power consumption | <13W |
| Antenna gain | Built-in 2.4 GHz 5 dBi antenna and 5 GHz 5 dBi antenna |
| Working frequency band | 802.11b/g/n/ax: 2.4 GHz to 2.483 GHz 802.11ax: 5.150GHz to 5.350GHz 5.47GHz to 5.725GHz 5.725GHz to 5.850GHz |
| Modulation technology | 11b: DSS: CCK@5.5/11Mbps, DQPSK@2Mbps, DBPSK@1Mbps 11a/g: OFDM:64QAM@48/54Mbps,16QAM@24Mbps, QPSK@12/18Mbps, BPSK@6/9Mbps 11n: MIMO-OFDM: BPSK, QPSK,16QAM,64QAM 11ac: MIMO-OFDM: BPSK, QPSK,16QAM,64QAM,256QAM 11ax: MIMO-OFDMA: BPSK, QPSK,16QAM,64QAM,256QAM,1024QAM |
| Transmit power | 2.4G: 23dBm 5G : 22dBm (Note: final output power comply with deployment regulation and might be different) |
| Power adjustment granularity | 1 dBm |
| Working/Storage temperature | -10°C to +55°C -40°C to +70°C |
| Working/Storage RH | 5% to 95% (non-condensing) |
| Protection level | Ip41 |

TECHNICAL SPECIFICATIONS

| Software Item | AIR-AP605C-X1 | |
|-----------------------|---|--|
| WLAN | Product positioning Working frequency band Bandwidth performance Virtual AP (BSSID) Concurrent user Number of spatial streams Dynamic channel adjustment (DCA) SSID hiding RTS/CTS RF environment scanning Hybrid access Restriction on the number of access users Link integrity check Accessing control of terminals based on signal strength Forcing terminals to roam based on signal strength Intelligent control of terminals based on airtime fairness High-density application optimization | Indoor dual-frequency 2.4GHz and 5GHz 1775Mbps 8 (4 for each radio) 254 2.4GHz:2, 5GHz:2 Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| 802.11ax enhancements | Space streams Frequency band 80 MHz bundling 1200Mbps (PHY) Frame aggregation (A-MPDU) Frame aggregation (A-MSDU) Maximum likelihood demodulation (MLD) Transmit beamforming (TxBF) Maximum ratio combining (MRC) Space-time block coding (STBC) Low-density parity-check code (LDPC) | 2.4GHz:2, 5GHz:2 2.4GHz + 5GHz Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes |
| Security | Encryption 802.11i Portal authentication MAC address authentication LDAP authentication PEAP authentication Forwarding security User isolation Periodic SSID enabling and disabling Access control of free resources ACL Secure access control of APs 802.11W | 64/128 WEP, TKIP, and CCMP encryption Yes Yes Yes Yes Yes Frame filtering, white list, static blacklist, and dynamic blacklist AP L2 forwarding suppression Isolation between client Yes Yes Access control of various data packets such as MAC, IPv4, and IPv6 packets Secure access control of APs, such as MAC authentication, password authentication, or digital certificate authentication between an AP and an AC Yes, encryption of management frames |

TECHNICAL SPECIFICATIONS

| Software Item | | AIR-AP605C-X1 |
|---------------------|--|--|
| Forwarding | IP address setting IPv6 forwarding IPv6 portal Local forwarding Multicast Roaming AP switching reference WMM | Static IP address configuration or dynamic DHCP address allocation Yes Yes Yes IGMP snooping Yes Signal strength, bit error rate, RSSI, S/N, whether neighboring APs are normally operating, etc. Yes |
| QoS | Priority mapping QoS policy mapping L2-L4 packet filtering and flow classification Load balancing Bandwidth limit Power saving mode Automatic emergency mechanism of APs Intelligent identification of terminals Multicast enhancement | Ethernet port 802.1P identification & marking Mapping from wireless priorities to wired priorities Mapping of different SSIDs/VLANs to different QoS policies Mapping of data streams that match with different packet fields to different QoS policies Yes: MAC, IPv4, and IPv6 packets Load balancing based on the number of users Load balancing based on user traffic Load balancing based on frequency bands Band width limit based on Aps Bandwidth limit based on SSIDs Bandwidth limit based on terminals Bandwidth limit based on specific data streams Yes Yes Yes Multicast to unicast |
| Management | Network management Maintenance mode Log function Alarm Fault detection Statistics Switching between the fat and fit modes Watchdog | Centralized management through an AC; both fit and fat modes Both local and remote maintenance Local logs, Syslog, and log file export Yes Yes Yes An AP working in fit mode can switch to the fat mode through a wireless AC; An AP working in fat mode can switch to the fit mode through a local control port or Telnet. Yes |
| Value added service | Value added marketing Value added authentication Passenger flow analysis | Support: various apps based on intelligent terminals, advertising push based on location, personalized push of portals WeChat, SMS, QR code yes |

ORDER INFORMATION

| Product | Description |
|---------------|---|
| AIR-AP605C-X1 | AIRPRO Indoor Wi-Fi 6 AP, 802.11a/b/g/n/ac/ax supported (2.4GHz:2*2, 5GHz 2*2), max 1775Mbps access rate, fat & fit, 802.3 at, managed by AIRPRO hardware controller & cloud platform |

TYPICAL APPLICATION

AIR-AP605C-X1 is ideal AP for indoor Wi-Fi coverage, with zero touch provisioning, advanced RF control and cost-effective design, it could offer best indoor Wi-Fi experience for customers.



Class room

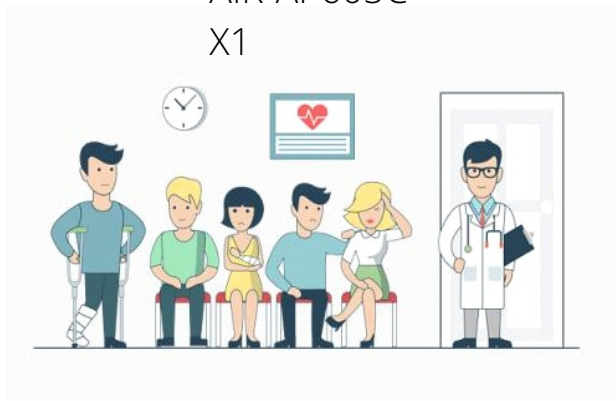


Small Meeting Room



Office

AIR-AP605C-
X1



Hospital

- 802.11ax, Wi-Fi 6
- Access bandwidth 1775Mbps
- 802.3at PoE
- Downlink port
- Concurrent user 254



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