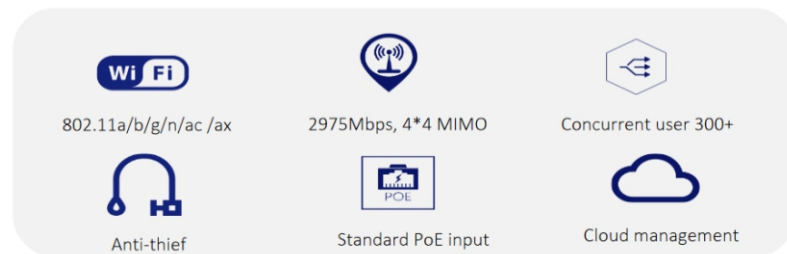


Dual-band high-performance Gigabit wireless access point

QUICK OVERVIEW

AIR-AP610C-AX is a dual-band high-performance gigabit wireless access point device based on the 802.11ax standard launched by AirPro, it could offer maximum 2975Mbps access rate. AIR-AP610C-AX 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-AP610C-AX 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 access rate of up to 2400Mbps.



FEATURES

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

AIR-AP610C-AX supports the 802.11ax standard, operates in both 2.4 GHz and 5 GHz band, and provides an access bandwidth up to 2975 Mbps. This model is the best choice for Entry-level office or company as it can support concurrent users up to 300+.

Wireless user management at a fine granularity:-

AIR-AP610C-AX can support a maximum of 32 WLANs to implement multi-layer multi-servicemanagement 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-AP610C-AX supports wall mounting, ceiling mounting, T-keel mounting, you can deploy it almost everywhere that you want.

Anti-thief:-

AIR-AP610C-AX can work with Kensington technology to protect the investment of customers, which is very important to the specific customer.

Good PoE compatibility:-

AIR-AP610C-AX can work well with all PoE switch(cisco, HUAWEI, juniper, etc.) which support 802.3af & at standard, this allows to power up AIR-AP610C-AX directly, a power adapter is not required anymore.

Dual-mode fit & fat:-

AIR-AP610C-AX 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 FEATURES																																							
Dimensions(L*W*D) (mm)	201 x 195 x 41																																						
Physical Port	2 x 10/100/1000/2500Mbps ethernet ports, 1 x BLE module																																						
Console port (RJ-45)	1																																						
USB 2.0	2																																						
Power supply	802.3af & at and External power adapter (Input: 100~240V AC , Output: 12 VDC)																																						
Maximum power consumption	<12W																																						
RF port	Built-in 2.4 GHz 4 dBi antenna and 5 GHz 5 dBi antenna																																						
Working frequency band	802.11b/g/n/ax: 2.4GHz-2.483GHz 802.11a/n/ac/ax : 5.725~5.850GHz ; 5.150~5.350GHz; 5.47~5.72GHz																																						
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 : 23dBm (Note : final output power comply with deployment regulation 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																																						
WLAN	<table border="1"> <tbody> <tr> <td>Product positioning</td> <td>Indoor dual-frequency</td> </tr> <tr> <td>Working frequency band</td> <td>2.4GHz and 5GHz</td> </tr> <tr> <td>Bandwidth performance</td> <td>2975Mbps</td> </tr> <tr> <td>Virtual AP (BSSID)</td> <td>32</td> </tr> <tr> <td>Concurrent user</td> <td>300+</td> </tr> <tr> <td>Number of spatial streams</td> <td>2.4GHz:2, 5GHz:4</td> </tr> <tr> <td>Dynamic channel adjustment (DCA)</td> <td>Yes</td> </tr> <tr> <td>Transmit power control (TPC)</td> <td>Yes</td> </tr> <tr> <td>Blind area detection and repair</td> <td>Yes</td> </tr> <tr> <td>SSID hiding</td> <td>Yes</td> </tr> <tr> <td>RTS/CTS</td> <td>Yes</td> </tr> <tr> <td>RF environment scanning</td> <td>Yes</td> </tr> <tr> <td>Hybrid access</td> <td>Yes</td> </tr> <tr> <td>Restriction on the number of access users</td> <td>Yes</td> </tr> <tr> <td>Link integrity check</td> <td>Yes</td> </tr> <tr> <td>Accessing control of terminals based on signal strength</td> <td>Yes</td> </tr> <tr> <td>Forcing terminals to roam based on signal strength</td> <td>Yes</td> </tr> <tr> <td>Intelligent control of terminals based on airtime fairness</td> <td>Yes</td> </tr> <tr> <td>High-density application optimization</td> <td>Yes</td> </tr> </tbody> </table>	Product positioning	Indoor dual-frequency	Working frequency band	2.4GHz and 5GHz	Bandwidth performance	2975Mbps	Virtual AP (BSSID)	32	Concurrent user	300+	Number of spatial streams	2.4GHz:2, 5GHz:4	Dynamic channel adjustment (DCA)	Yes	Transmit power control (TPC)	Yes	Blind area detection and repair	Yes	SSID hiding	Yes	RTS/CTS	Yes	RF environment scanning	Yes	Hybrid access	Yes	Restriction on the number of access users	Yes	Link integrity check	Yes	Accessing control of terminals based on signal strength	Yes	Forcing terminals to roam based on signal strength	Yes	Intelligent control of terminals based on airtime fairness	Yes	High-density application optimization	Yes
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TECHNICAL SPECIFICATIONS

HARDWARE FEATURES		
Security	Encryption 802.11i Portal authentication WAPI MAC address authentication LDAP authentication PEAP authentication WIDS/WIPS Protection against DoS attacks Forwarding security User isolation Periodic SSID enabling and disabling Access control of free resources Wireless SAVI ACL Secure access control of APs 802.11W	64/128 WEP, TKIP, and CCMP encryption Yes Yes Yes Yes Yes Yes Yes Anti-DoS for wireless management packets Frame filtering, white list, static blacklist, and dynamic blacklist AP L2 forwarding suppression Isolation between client Yes 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
Forwarding	IP address setting IPv6 forwarding IPv6 portal Local forwarding Multicast Roaming AP switching reference WDS	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	WMM Priority mapping QoS policy mapping L2-L4 packet filtering and flow classification Load balancing Bandwidth limit Call admission control (CAC) Power saving mode Automatic emergency mechanism of APs Intelligent identification of terminals Multicast enhancement BYOD	Yes Ethernet port 802.1P identification and 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 Bandwidth limit based on APs Bandwidth limit based on SSIDs Bandwidth limit based on terminals Bandwidth limit based on specific data streams CAC based on the number of users Yes Yes Yes Multicast to unicast Identification of terminals

Management	<p>Network management</p> <p>Maintenance mode</p> <p>Log function</p> <p>Alarm</p> <p>Fault detection</p> <p>Statistics</p> <p>Switching between the fat and fit modes</p> <p>Remote probe analysis</p> <p>Watchdog</p>	<p>Centralized management through an AC; both fit and fat modes</p> <p>Both local and remote maintenance</p> <p>Local logs, Syslog, and log file export</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>An AP working in fit mode can switch to the fat mode through a wireless AC;</p> <p>An AP working in fat mode can switch to the fit mode through a local control port or Telnet.</p> <p>Yes</p> <p>Yes</p>
Value added service	<p>Value added marketing</p> <p>Value added authentication</p> <p>Passenger flow analysis</p>	<p>Support: various apps based on intelligent terminals, advertising push based on location, personalized push of portals</p> <p>WeChat, SMS, QR code</p> <p>Yes</p>



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