Indoor 802.11ax Wi-Fi 6 wireless access point



PRODUCT 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-AP605CX1 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 access rate of up to 1200Mbps.





802.11 a/b/g/n/ac/ax



1775Mbps, 2*2 MIMO



200+ concurrent users



Standard PoE Input



Cloud Management



Downlink Port

KEY FEATURES AND 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.



PRODUCT SPECIFICATIONS

Hardware Specifications

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Community Com	Maximum nower	Output. 12 VDC)		
Multim 1 x 4 Mrs 1		<13W		
	woming frequency band			
\$ \$ \$ \$ \$ \$ \$ \$ \$ \$				
		5.47GHz to 5.725GHz		
1101 100		5.725GHz to 5.850GHz		
BPSK-66/9Mbps 11a. MMO-OFDM: BPSK, QPSK_150AM_61QAM_256QAM 11a. MMO-OFDM: BPSK, QPSK_150AM_61QAM_256QAM, 1024QAM 11a. MMO-OFDM: BPSK, QPSK_150AM_61QAM_61QAM_1024QAM Transmit power 2.46: 2389m 55: 1288m (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output power comply with deployment regulation and might be different) (Mote: final output po	Modulation technology	11b: DSS: CCK@5.5/11Mbps, DQPSK@2Mbps, DBPSK@1M	lbps	
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11ac MMO-OFDM: BRS, QPS, 160AM,640AM,250AM,10240AM		BPSK@6/9Mbps		
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Bandwidth performance				
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Transmit power control (TPC) Yes				
Blind area detection and repair Yes				
SSID hiding Yes				
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Space streams 2.4GHz:2, 5GHz:2 Frequency band 2.4GHz + 5GHz 80 MHz bundling Yes 1200Mbps (PHY) Frame aggregation (A-MPDU) Yes 802.11ax enhancements Maximum likelihood demodulation (MLD) Yes Transmit beamforming (TxBF) Maximum ratio combining (MRC) Space-time block coding (STBC) Low-density parity-check code (LDPC) Yes 2.4GHz:2, 5GHz:2 2.4		airtime fairness		
Frequency band 2.4GHz + 5GHz 80 MHz bundling Yes 1200Mbps (PHY) Frame aggregation (A-MPDU) Frame aggregation (A-MPDU) Pres Frame aggregation (A-MSDU) Pres Maximum likelihood demodulation (MLD) Yes Transmit beamforming (TxBF) Maximum ratio combining (MRC) Space-time block coding (STBC) Low-density parity-check code (LDPC) Yes		High-density application optimization	Yes	
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Transmit beamforming (TxBF) Maximum ratio combining (MRC) Space-time block coding (STBC) Low-density parity-check code (LDPC) Yes Yes	802.11ax	Frame aggregation (A-MSDU)	Yes	
Maximum ratio combining (MRC) Space-time block coding (STBC) Low-density parity-check code (LDPC) Yes Yes	enhancements		Yes	
Space-time block coding (STBC) Low-density parity-check code (LDPC) Yes Yes			Yes	
Low-density parity-check code (LDPC) Yes		Maximum ratio combining (MRC)	Yes	
Encryption 64/128 WEP, TKIP, and CCMP encryption				
			The state of the s	
802.11i Yes		802.11i	Yes	



PRODUCT SPECIFICATIONS

Hardware Specifications

	0	l v
	Portal authentication	Yes
	MAC address authentication	Yes
	LDAP authentication PEAP authentication	Yes Yes
	Forwarding security	Frame filtering, white list, static blacklist, and dynamic blacklist
	User isolation	AP L2 forwarding suppression
	OSCI ISOIULIOII	Isolation between client
	Periodic SSID enabling and disabling	Yes
Security	Access control of free resources	Yes
ocounty)	ACL	Access control of various data packets
		such as MAC, IPv4, and IPv6 packets
	Secure access control of APs	Secure access control of APs, such as
	· ·	MAC authentication, password
		authentication, or digital certificate
		authentication between an AP and an AC
	802.11W	Yes, encryption of management frames
	IP address setting	Static IP address configuration or dynamic
	· ·	DHCP address allocation
	IPv6 forwarding	Yes
	IPv6 portal	Yes
Forwarding	Local forwarding	Yes
	Multicast	IGMP snooping
	Roaming	Yes
	AP switching reference	Signal strength, bit error rate, RSSI, S/N,
		whether neighboring APs are normally
		operating, etc.
	WMM	Yes
	Priority mapping	Ethernet port 802.1P identification and
		marking
		Mapping from wireless priorities to wired
		priorities
	QoS policy mapping	Mapping of different SSIDs/VLANs to
		different QoS policies
		Mapping of data streams that match with
		different packet fields to different QoS
		policies
	L2-L4 packet filtering and flow classification	Yes: MAC, IPv4, and IPv6 packets
QoS	Load balancing	Load balancing based on
		the number of users
		Load balancing based on user traffic
		Load balancing based on frequency bands
	Bandwidth limit	Bandwidth limit based on Aps
		Bandwidth limit based on SSIDs
		Bandwidth limit based on terminals
		Bandwidth limit based on specific data
		streams
	Power saving mode	Yes
	Automatic emergency mechanism of APs	Yes
	Intelligent identification of terminals	Yes
	Multicast enhancement	Multicast to unicast
Management	Network management	Centralized management through an AC;
	***	both fit and fat modes
	Maintenance mode	Both local and remote maintenance
	Log function	Local logs, Syslog, and log file export
	Alarm	Yes
	Fault detection	Yes
	Statistics	Yes An AP working in fit mode can switch to the
	Constabling bathering the first and fit are also	
	Switching between the fat and fit modes	
	Switching between the fat and fit modes	fat mode through a wireless AC;
	Switching between the fat and fit modes	fat mode through a wireless AC; An AP working in fat mode can switch to the
	Switching between the fat and fit modes	fat mode through a wireless AC; An AP working in fat mode can switch to the fit mode through a local control port or
		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.
	Switching between the fat and fit modes Value added marketing	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. Support: various apps based on intelligent
Value added carries		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. Support: various apps based on intelligent terminals, advertising push based on
Value added service	Value added marketing	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. Support: various apps based on intelligent terminals, advertising push based on location, personalized push of portals
Value added service		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. Support: various apps based on intelligent terminals, advertising push based on



TYPICAL APPLICATION

Hardware Specifications

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.



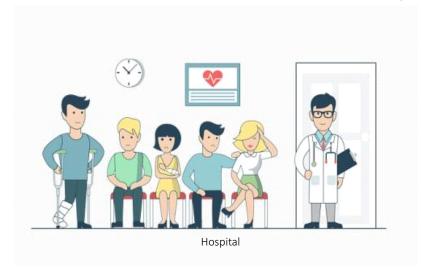




Class Room

Medium sized Meeting Room

Office



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

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	



