DATASHEET
AIR-AP660C-BE

Air Pro®
Simple | Secure | Trusted

Wi-Fi 7 Dual-Band 2.5G AP – Ultra-Fast 3570 Mbps

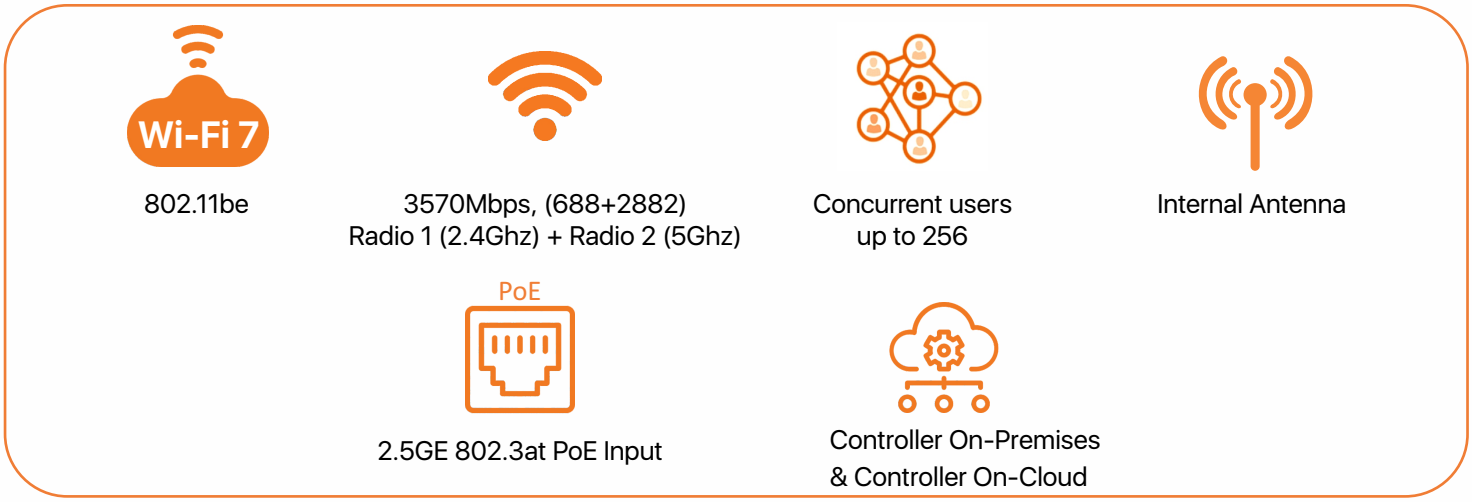
PRODUCT OVERVIEW

The AIR-AP660C-BE is a high-performance dual-band 2.5 Gigabit wireless access point designed by AirPro, built on the latest 802.11be (Wi-Fi 7) standard. It delivers a combined maximum wireless throughput of 3570 Mbps, providing exceptional network performance for high-density environments. Operating on both 2.4 GHz and 5 GHz frequency bands, the AP660C supports advanced wireless technologies such as 240 MHz Channel Bonding and 4096-QAM modulation, ensuring ultra-high-speed connectivity and enhanced capacity.



- Radio 1 (2.4 GHz):
  - Maximum Access Rate: 688 Mbps
- Radio 2 (5 Ghz):
  - Maximum Access Rate: 2882 Mbps

With its cutting-edge features and robust performance, the AIR-AP660C-BE is perfect for enterprise-grade wireless deployments, offering seamless connectivity, high bandwidth, and superior user experience.



KEY FEATURES AND HIGHLIGHTS

Enterprise-class indoor 802.11be Wi-Fi 7 wireless access point:-
AP660C-BE supports the 802.11be standard, operates in both 2.4 GHz and 5 GHz band, and provides an access bandwidth up to 3570 Mbps. This model is the best choice for middle-level office or company as it can support concurrent users up to 256.

Wireless user management at a fine granularity:-
AP660C-BE can support a maximum of 32 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:-
AP660C-BE supports wall mounting, ceiling mounting, T-keel mounting, you can deploy it almost everywhere you want.

Powered by PoE port or external power adapter:-
AP660C-BE can be powered by PoE port or external power adapter, input 100～240V AC, output: 48 V DC.

Multi-mode: fit, fat, bridge:-
AP660C-BE can work in fit, fat and Cloud mode and can flexibly switch between these three modes according to network planning requirements.

AirMatch Technology:-
AP660C-BE supports AirMatch technology, an advanced AirPro technology that enables continuous WLAN optimization through intelligent client steering, load balancing, seamless roaming, and real time network-wide monitoring - without requiring client-side software.

PRODUCT SPECIFICATIONS

Hardware Specifications

Item	AIR-AP660C-BE	
Dimensions (L*W*D) (mm)	210 x 210 x 41	
Memory	512MB	
Flash	144MB	
1/2.5G Base-T port	1	
1/2.5G SFP port	1	
USB 2.0	1	
Console port (RJ-45)	1	
Bluetooth Low Energy port	1	
Indicator LED	Yes	
Reset button	Yes	
Power supply	802.3af/at and External power adapter (Input: 100～240V AC , Output: 48 V DC)	
Maximum power consumption	<19.7W	
RF port	Built-in 2.4 GHz 3 dBi antenna and 5 GHz 3 dBi antenna	
Working frequency band	802.11b/g/n/ax/be: 2.4 GHz to 2.483 GHz 802.11a/n/ac/ax/be: 5.150GHz to 5.350GHz 5.725GHz to 5.850GHz	
Modulation technology	802.11b：BPSK，QPSK，CCK 802.11a/g/n: BPSK，QPSK，16-QAM，64-QAM 802.11ac：BPSK，QPSK，16-QAM，64-QAM，256-QAM 802.11ax：BPSK，QPSK，16-QAM，64-QAM，256-QAM，1024-QAM 802.11be：BPSK，QPSK，16-QAM，64-QAM，256-QAM，1024-QAM，4096-QAM	
Transmit power	2.4G: 19dBm (Per Chain: 16dBm) 5G : 21dBm (Per Chain: 18dBm) (Note：final output power comply with deployment regulation might be different)	
Power adjustment granularity	1 dBm	
Working/Storage	0°C to 40°C	
temperature	–40°C to +70°C	
Working/Storage RH	10% to 95% (non-condensing)	
Protection level	Ip30	
WLAN	Product positioning	Indoor dual-frequency
	Working frequency band	2.4GHz and 5GHz
	Bandwidth performance	3570Mbps, 2.4G:688Mbps, 5G:2882Mbps
	Virtual AP (BSSID)	32
	Concurrent user	256
	Number of spatial streams	2.4GHz:2, 5GHz:2
	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
802.11be enhancements	Space streams	2.4GHz:2, 5GHz:2
	Frequency band	2.4GHz + 5GHz
	240 MHz bundling	Yes
	4096-QAM	Yes
	Frame aggregation (A-MPDU)	Yes
	Frame aggregation (A-MSDU)	Yes
	Maximum likelihood demodulation (MLD)	Yes
	Transmit beamforming (TxBF)	Yes
	Maximum ratio combining (MRC)	Yes
	Space-time block coding (STBC)	Yes
	Low-density parity-check code (LDPC)	Yes

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Hardware Specifications

Security	Encryption	WPA (TKIP), WPA-PSK, WPA2 (AES) WPA3, WEP(64/128 bits), WPA2/3 Enterprises 802.1x
	802.11i,	Yes
	802.11i authentication	Yes
	Portal authentication	Yes
	WAPI	Yes
	MAC address authentication	Yes
	LDAP authentication	Yes
	PEAP authentication	Yes
	WIDS/WIPS	Yes
	Protection against DoS attacks	Anti-DoS for wireless management packets
	Forwarding security	Frame filtering, white list, static blacklist, and dynamic blacklist
	User isolation	wireless user layer 2 isolation, wireless user isolation based on SSID
	Periodic SSID enabling and disabling	Yes
	Access control of free resources	Yes
	Wireless SAVI	Yes
	ACL	Access control of various data packets such as MAC, IPv4, and IPv6 packets
	Secure access control of APs	MAC authentication, password authentication, or digital certificate authentication between an AP and an AC
	802.11W	Yes, encryption of management frames
Forwarding	IP address setting	Static IP address configuration or dynamic DHCP address allocation
	IPv6 forwarding	Yes
	IPv6 portal	Yes
	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.
	WDS	Yes
QoS	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
	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
	Call admission control (CAC)	CAC based on the number of users
	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
	Mesh networking	Yes
	Maintenance mode	Both local and remote maintenance
	Log function	Local logs, Syslog, and log file export
	Alarm	Yes
	Fault detection	Yes
	Statistics	Yes
	Switching between the fat, fit and bridge modes	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 or bridge mode through a local control port or Telnet(web) An AP working in bridge mode can switch to the fit or fat mode through a local control port or Telnet(web)
	Remote probe analysis	Yes
	Watchdog	Yes

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