

## ALLNET Apollo Wireless AP WIFI6 • AX3000 • 2x2 • Outdoor IP67 • 2.5 GbE • ALL-WAPC0522AXO-3000 • Apollo

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### Highlights:

- Dual concurrent 802.11ax architecture & backward-compatible with 11ac/a/b/g/n client devices; 2x2 antenna
- Supports up to 1,200 Mbps in 5-GHz frequency band & 574 Mbps in 2.4-GHz frequency band
- IP67-Rated weatherproof & dustproof housing withstands harsh environments
- 2.5 GigE PoE+ compatible port for easy placement where power outlets are scarce
- Select cloud or on-premises management options based on network architecture, administrative permissions
- From anywhere cloud visibility and control
- Setup in minutes with app-based step by step instructions
- Quick-scan device register, remote monitoring and troubleshooting
- Real-time system metrics, analytics and remote configurations
- No access point licensing or subscription fees
- Uplink and downlink of OFDMA improves transmission to APs and client devices
- Target wake time for power-saving of client & IoT devices
- Uplink & downlink of MU-MIMO for optimal signal & reception reliability for up to 2 devices

Introducing the ALLNET Apollo Series ALL-WAPC0522AXO-3000: Your Gateway to High-Capacity Outdoor WiFi 6.



Step into the future of wireless connectivity with our cutting-edge IP67 Outdoor WiFi 6 Access Point. The ALLNET Apollo Series ALL-WAPC0522AXO-3000 pushes the boundaries of WiFi technology, making it the ideal choice for high-capacity environments where performance and reliability are paramount.

Packed with enterprise-level features, this device seamlessly combines top-tier hardware with an advanced enclosure design that not only enhances its aesthetics but also optimizes thermal heat dissipation. This means that it operates more efficiently and consumes less power, ensuring you get the most out of your network.

Experience lightning-fast speeds with 2x2 spatial streams, reaching an impressive 2402 Mbps in the 5GHz frequency band and 573 Mbps in the 2.4GHz frequency band. Whether you're streaming, gaming, or running a business, this Access Point has the bandwidth to meet your demands.

Elevate your network capabilities, and say goodbye to connectivity woes with the ALLNET Apollo Series ALL-WAPC0522AXO-3000. The future of WiFi is here, and it's faster and more reliable than ever before.

## Technical Details Basics:

	ALL-WAPC0522AXO-3000
Main Chipset	IPQ5016 ARM A53, 1GHz Dual-Core
Flash	8MB SPI NOR (Reserved) 128MB NAND
RAM	512MB DDR3
Transmit Power (Combined)	2.4GHz: 22dBm 5GHz: 24dBm
Bluetooth	N/A
Interface	1x 10/100/1000/2500Mbps RJ45 Port
Operating Temperature	-20 ~ 60°C
Dimensions (W x L x H)	190 x 124 x 47 mm
Enclosure Material	Plastic (Top Cover) Metal (Bottom Cover)
Certification (Generic)	Non-DFS FCC, CE DFS

## Fully Technical Details:

Fully	ALL-WAPC0522AXO-3000 Apollo IP67 Outdoor 2x2 Entry AP
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<b>Wireless Radio Specification</b>	
<b>Access Point Type</b>	Outdoor IP67, dual radios concurrent, 5GHz 802.11 ax 2x2 MU-MIMO is backwards compatible with 802.11 ax/ ac/a/n mode, 2.4GHz 802.11 ax 2x2 MU-MIMO is backwards compatible with 802.11 b/g/n/ac
<b>Frequency Radio</b>	2.4GHz: 2400MHz ~ 2495MHz,  5GHz: 5150MHz~5250MHz, 5250MHz~5350MHz, 5470~5725MHz,  5725MHz~5850MHz  Support radios and channels will be varied on the configured regulatory domain.
<b>Supported Radio Technology</b>	802.11ax: Orthogonal Frequency Division Multiple Access(OFDMA) 802.11b: Direct-sequence spread-spectrum (DSSS) 802.11ac/a/g/n:Orthogonal Frequency Division Multiple (OFDM)  802.11ax supports very high throughput(VHT)—HE 20/40/80/160 MHz 802.11ac supports very high throughput(VHT)—VHT 20/40/80 MHz 802.11n supports high throughput(HT) —HT 20/40 MHz  802.11n supports very high throughput under the 2.4GHz radio –VHT40 MHz (256-QAM)  802.11n/ac/ax packet aggregation: A-MPDU, A-SPDU
<b>Supported Modulation Type</b>	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
<b>Transmit Power (Combined)</b>	2.4GHz: 21dBm; 5GHz: 24dBm  Maximum power is limited by regulatory domain
<b>MU-MIMO</b>	MU-MIMO allows multiple spatial streamsto be allocated to different  clients simultaneously on both download and upload sides.
<b>Tx Beamforming (TxBF)</b>	Increasing signal reliability and transmitting distance.



<b>Power</b>	
Maximum Power Consumption	25W
Power Source	Standard IEEE802.3at DC IN 12V/2A
<b>Antenna</b>	
External Antennas	2.4GHz:4dBi R-SMA-Male  5GHz:5dBi RSMA-Male  R-SMA Female-Connector on AP for additional Antennas.
<b>Interfaces</b>	
Networking Interface	One(1) 10/100/1000/2500 Mbps Ethernet Ports
IP Rating	IP67
<b>Mounting</b>	
Ceiling or Wall Mounting	Mount Access Point on the wall or Pole via included accessories
<b>Mechanical &amp; Environment</b>	
Dimensions(LxWxH)	190 x 124 x 47 mm
Operating	Temperature: -20°C~60°C Humidity: 0%~90% typical
Storage	Temperature: -30°C~80°C Humidity: 0%~90% typical
Marks	<b>FCC</b> Subpart15 B Subpart C 15.247 Subpart E 15.407 <b>CE</b> EN 300 328 EN 301 893 EN 50385 EN 55032 EN 55024

## Accessories

Part No.	Name
211733	ALLNET Apollo On-Prem Hardware Controller / Management & Provisioning of AP's and Switches Apollo Series "ALL-AC100"
211734	ALLNET Apollo Wireless AP WIFI6 • AX3000 • 2x2 • Indoor • 2.5 GbE • ALL-



Part No.: 211739  
Vendor Part No.: ALL-WAPC0523AXO-3000

Part No.	Name
	WAPC0522AX-3000 • Apollo
211736	ALLNET Apollo Wireless AP WIFI6 • AX5400 • 2x2:2; 4x4:4 • Indoor • 2.5 GbE • ALL-WAPC0544AX-5400 • Apollo
175246	ALLNET PoE Injector Gigabit ALL0489V4 2,5GBit - 802.3af/at H
205738	ALLNET Switch unmanaged industrial 3 Port 2,5Gigabit 90W / 1
201875	ALLNET Switch unmanaged 5 Port 2.5GBit • 5x PoE • 1x LAN • Fanless • "ALL-SG8005P-2.5G"