

ALLNET Apollo Wireless AP WIFI6 • AX3000 • 2x2 • Indoor • 2.5 GbE • ALL-WAPC0522AX-3000 • Apollo

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EAN CODE



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Highlights:

- Dual Concurrent 802.11ax-Architektur und Abwärtskompatibilität mit 11ac/a/b/g/n-Clientgeräten
- Unterstützung für WPA3 und WPA2-AES-Authentifizierung
- 5 dBi integrierte 2x2-Antenne
- Unterstützt bis zu 2.400 Mbps im 5GHz Frequenzband und 574 Mbps im 2.4GHz Frequenzband
- Unterstützt 5GHz DFS-Kanäle
- Lokale und Fernverwaltung über FitController Controller ohne Gebühren
- 2,5 GBit 802.3af PoE Port für einfache Platzierung bis zu 328 Fuß von einer Stromquelle entfernt
- Auswahl an AP- und WDS-Modi, um Ihre Verwaltungs- und Bereitstellungsanforderungen zu erfüllen.

ALLNET Apollo Series ALL-WAPC0522AX-3000 2x2 Lite Managed Indoor Wireless Access Point bietet fortschrittliche 802.11ax Technologie, die dem Benutzer eine unglaublich schnelle und effiziente Leistung mit einer maximalen theoretischen Geschwindigkeit von 574 Mbps auf der 2,4GHz Frequenz und unglaublichen 2.400Mbps auf der 5GHz Frequenz bietet! Darüber hinaus ist es durch erstklassige WPA3/WPA2PSK AES-Verschlüsselungsprotokolle für unvergleichliche Sicherheit geschützt. Sicherheit.

Physical Interfaces



Technical Details Basics:

Basic	ALL-WAPC0522AX-3000 Apollo Entry 2x2 Entry AP	
Main Chipset	IPQ5018	
	ARM A53, 1GHz Dual-	



	Core
Flash	8MB SPI NOR (reserved) 128MB NAND
RAM	512MB DDR3
Transmit Power (Chain + Combining Gain)	2.4GHz: 21dBm 5GHz: 21dBm
Interface	1x 10/100/1000/2500Mbps RJ45 Port IEEE802.3at PoE IN 1x Reset Button 1x DC Barrel Jack
Operating Temperature	0 ~ 40°C
Dimensions (W x L x H)	160 x 160 x 30mm
Enclosure Material	Plastic (Top Cover) Metal (Bottom Cover)
Certification (Generic)	FCC, CE

Fully Technical Details:

Fully	ALL-WAPC0522AX-3000 Apollo Entry 2x2 Entry AP
Wireless Radio Specification	
Access Point Type	Indoor, 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
Frequency Radio	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.
Supported Radio Technology	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)



	<p>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</p> <p>802.11n supports very high throughput under the 2.4GHz radio –VHT40 MHz (256-QAM)</p> <p>802.11n/ac/ax packet aggregation: A-MPDU, A-SPDU</p>
Supported Modulation Type	<p>802.11b: BPSK, QPSK, CCK</p> <p>802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM</p> <p>802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM</p> <p>802.11ax: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM</p>
Transmit Power (Combined)	<p>2.4GHz: 21dBm; 5GHz: 21dBm</p> <p>Maximum power is limited by regulatory domain</p>
MU-MIMO	<p>MU-MIMO allows multiple spatial streamsto be allocated to different</p> <p>clients simultaneously on both download and upload sides.</p>
Tx Beamforming (TxBF)	Increasing signal reliability and transmitting distance.
Power	
Maximum Power Consumption (TBD,estimated)	17.4W
PowerSource	Standard IEEE802.3at DC IN 12V/2A
Antenna	
Internal Antenna	<p>2.4GHz:4dBi</p> <p>5GHz:5dBi</p> <p>BLE2.4GHz:4.5dBi (reserved)</p>
Interfaces	
Networking Interface	<p>One 10/100/1000/2500 Mbps Ethernet Port</p> <p>One 10/100/1000 Mbps Ethernet Ports (reserved)</p>
Reset Button	<p>One(1) Reset Button</p> <p>(Convert Access Point to the Factory default or the Users Default)</p>
DCIN	One(1) 12V DC IN

Mounting	
Ceiling or Wall Mounting	Mount Access Point in on the ceiling or wall via included accessories
Mechanical & Environment	
Dimensions (LxWxH)	160mmx160mmx30mm
Operating	Temperature: 0°C~40°C Humidity:0%~90% typical
Storage	Temperature: -20°C~70°C Humidity:0%~90% typical
Marks	FCC Subpart15 B Subpart C 15.247 Subpart E 15.407 CE EN 300 328 EN 301 893 EN 50385 EN 55032 EN 55024

RF Performance Specification Wireless Indoor Access Point

Channel	Data Rate	Transmit Power (Typical AVG.)				Receive Sensitivity	
		Tolerance = +/-1.5 dB				2.4GHz	5GHz
		2.4GHz		5GHz			
		Combine	EIRP	Combine	EIRP		
802.11b	1M	21	25	-	-	-95	-
	11M	21	25	-	-	-88	-
802.11g/a	6M	21	25	21	26	-92	-92
	54M	18	22	18	23	-74	-73
802.11n HT20	MCS0	21	25	21	26	-92	-92
	MCS7	18	22	18	23	-74	-72
802.11n HT40	MCS0	21	25	21	26	-91	-89
	MCS7	18	22	18	23	-72	-64
802.11ac VHT20	MCS0	21	25	21	26	-92	-92
	MCS8	17	21	17	22	-67	-67
802.11ac VHT40	MCS0	21	25	21	26	-91	-89
	MCS9	17	21	17	22	-66	-64
802.11ac VHT80	MCS0	-	-	20	25	-	-86
	MCS9	-	-	17	22	-	-61
802.11ac VHT160	MCS0	-	-	20	25	-	-83

	MCS11	-	-	16	21	-	-59
802.11ax HE20	MCS0	21	25	21	26	-92	-92
	MCS11	16	20	16	21	-62	-61
802.11ax HE40	MCS0	21	25	21	26	-90	-89
	MCS11	16	20	16	21	-59	-58
802.11ax HE80	MCS0	-	-	20	25	-	-86
	MCS11	-	-	16	21	-	-56
802.11ax HE160	MCS0	-	-	20	25	-	-83
	MCS11	-	-	15	20	-	-53

Zubehör

Art.-Nr.	Name
186548	ALLNET PoE Injektor Gigabit PoE & PoE+ (15,4W/30W) / Kunststoffgehäuse / "ALL0488v6"
211736	ALLNET Apollo Wireless AP WIFI6 • AX5400 • 2x2:2; 4x4:4 • Indoor • 2.5 GbE • ALL-WAPC0544AX-5400 • Apollo
211739	ALLNET Apollo Wireless AP WIFI6 • AX3000 • 2x2 • Outdoor IP67 • 2.5 GbE • ALL-WAPC0522AXO-3000 • Apollo
175246	ALLNET PoE Injektor Gigabit / PoE & PoE+ (15,4W/30W)/ 2.5Gbit/ Metallgehäuse / "ALL0489v4"
205738	ALLNET Switch industrial unmanaged Layer2 3 Port 2.5 GbE • PoE Budget 90W • 1x PoE bt • 2x SFP 1G/2.5G • Lüfterlos • DIN • IP40 • ALL-SGI8003P-2.5G
201875	ALLNET Switch unmanaged Layer2 5 Port • 5x 2.5GbE • PoE Budget 55W • 5x PoE at • Lüfterlos • ALL-SG8005P-2.5G