

ALLNET Apollo Wireless AP WIFI6 • AX5400 • 2x2:2; 4x4:4 • Indoor • 2.5 GbE • ALL-WAPC0544AX-5400 • 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
- 1 GB 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-WAPC0544AX-5400 ist ein fortschrittlicher WiFi 6 Access Point, der die Möglichkeiten von WiFi für den Einsatz in Umgebungen mit hoher Kapazität erweitert und vertieft. Die funktionsreiche Hardware auf Enterprise-Niveau kann in einem schlanken und flachen Gehäuse angeboten werden, während gleichzeitig eine optimale Wärmeableitung erreicht wird, um effizienter zu arbeiten und weniger Strom für maximale 4x4 räumliche Streams mit 4804 Mbps im 5GHz Frequenzband und 573 Mbps im 2,4GHz Frequenzband zu verbrauchen.

Physical Interfaces:



Technical Details Basics:

Basic	ALL-WAPC0522AX-5400 Apollo Pro 2x2:2; 4x4:4
Main Chipset	IPQ5018 ARM A53, 1GHz Dual-Core
Flash	8MB SPI NOR (reserved) 128MB NAND
RAM	512MB DDR3
Transmit Power	IPQ5018@2.4GHz: 21dBm
(Combined)	QCN6024@5GHz: 27dBm



Bluetooth	BLE 5.0 (reserved), IPQ5018 integrated
Interface	1x 10/100/1000/2500Mbps RJ45 Port 1x Reset Button 1x DC Barrel Jack
Operating Temperature	0 ~ 40°C
Dimensions (W x L x H)	160 x 160 x 30mm

Fully Technical Details:

Fully	ALL-WAPC0522AX-5400 Apollo Pro 2x2:2; 4x4:4
Wireless Radio Specification	
Access Point Type	Indoor, dual radios concurrent, 5GHz 802.11 ax 4x4 MU MU-MIMO is backwards compatible with 802.11 ax/ ac/a/n mode, 2.4GHz 802.11 ax 2x2 MU 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 Direct-sequence spread 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 (256 256-QAM) 802.11n/ac/ax packet aggregation: A A-MPDU, A A-SPDU



Supported Modulation Type	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
Transmit Power (Combined)	2.4GHz: 21dBm; 5GHz: 27dBm Maximum power is limited by regulatory domain
MU-MIMO	MU-MIMO allows multiple spatial streams to be allocated to different clients simultaneously on both download and upload sides.
Tx Beamforming (TxBF)	Increasing signal reliability and transmitting distance.
Power	
Maximum Power Consumption (TBD,estimated)	18W
PowerSource	Standard IEEE802.3at DC IN 12V/2A
Antenna	
Internal Antenna	2.4GHz:4dBi 5GHz:5dBi
Interfaces	
Networking Interface	One 10/100/1000/2500 Mbps Ethernet Port
Reset Button	One(1) Reset Button (Convert Access Point to the Factory default or the Users Default)
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
Weight	430G
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
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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 (Per-chain)	
		Tolerance = +/-1.5 dBm				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	27	32	-91	-88
	54M	18	22	25	30	-75	-71
802.11n HT20	MCS0	21	25	27	32	-92	-88
	MCS7	18	22	25	30	-74	-71
802.11n HT40	MCS0	21	25	27	32	-89	-86
	MCS7	18	22	25	30	-71	-68
802.11ac VHT20	MCS0	21	25	27	32	-92	-88
	MCS8	17	21	24	29	-70	-66
802.11ac VHT40	MCS0	21	25	27	32	-89	-86
	MCS9	17	21	23	28	-67	-63
802.11ac VHT80	MCS0	-	-	27	32	-	-81
	MCS9	-	-	23	28	-	-59
802.11ac VHT160	MCS0	-	-	27	32	-	-80
	MCS11	-	-	22	27	-	-53
802.11ax HE20	MCS0	21	25	27	32	-92	-88
	MCS11	16	20	21	26	-63	-59
802.11ax HE40	MCS0	21	25	27	32	-89	-86
	MCS11	16	20	21	26	-61	-57
802.11ax HE80	MCS0	-	-	27	32	-	-81
	MCS11	-	-	21	26	-	-52
802.11ax HE160	MCS0	-	-	27	32	-	-80
	MCS11	-	-	21	26	-	-52

Zubehör

Art.-Nr.	Name
211733	ALLNET Apollo On-Prem Hardware Controller / Management & Provision von max. 100 AP's und Switche Apollo Serie "ALL-AC100"
211734	ALLNET Apollo Wireless AP WIFI6 • AX3000 • 2x2 • Indoor • 2.5 GbE • ALL-WAPC0522AX-3000 • Apollo
211739	ALLNET Apollo Wireless AP WIFI6 • AX3000 • 2x2 • Outdoor IP67 • 2.5 GbE • ALL-WAPC0522AXO-3000 • Apollo



Art.-Nr.: 211736
Herst.-Nr.: ALL-WAPC0544AX-5400

Art.-Nr.	Name
175246	ALLNET PoE Injektor Gigabit / PoE & PoE+ (15,4W/30W)/ 2.5Gbit/ Metallgehäuse / "ALL0489v4"
205738	ALLNET Switch unmanaged industrial 3 Port 2.5Gbit 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