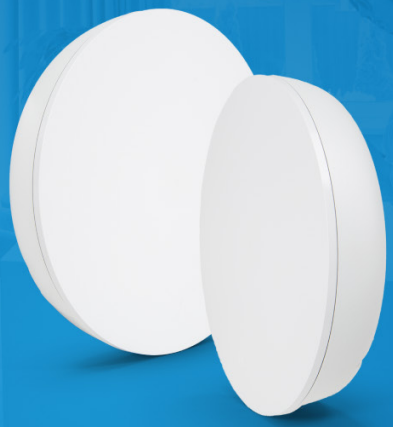
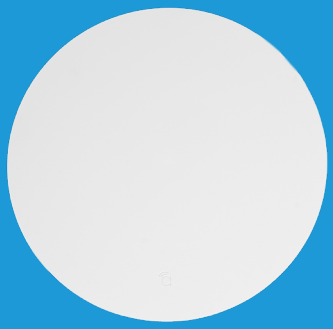
araknis® NETWORKS

OvrC enabled

Wi Fi 7 CERTIFIED



Product Photos



Araknis Networks 530 Wi-Fi 7 Indoor Access Point

AN-530-AP-I, AN-530-AP-I-1

The Araknis 530 Wi-Fi 7 Indoor Access Point delivers high-performance wireless connectivity for modern homes and light commercial networks. With the new smart tools such as Wi-Fi Optimization, Proximity View, and Bridge Mode, integrators can install faster, reduce manual tuning, and deliver consistent, professional-grade results.

Designed as a versatile, mid-range indoor AP, it offers reliable coverage for a wide range of projects. With multi-gig throughput, ultra-low latency, and advanced Wi-Fi 7 features, it ensures smooth performance for streaming, conferencing, and smart devices. The concurrent triband 2x2x2 antenna design delivers balanced performance across all three bands, while a 10G uplink removes bottlenecks. Built-in OvrC support allows installers to deploy, optimize, and manage the AP quickly and confidently.

Speed & Efficiency

Multi-gig throughput delivers faster performance for streaming, conferencing, and automation, while lower latency across all devices reduces lag for real-time cloud apps and smart systems. Clean, interference-free 6 GHz spectrum enables wider channels and stronger, more stable Wi-Fi 7 client performance, and a 10G uplink removes bottlenecks so the access point can deliver full Wi-Fi 7 speeds.

Reliability & Coverage

Stronger, more consistent RF coverage enhances range and minimizes dead zones, while concurrent Triband 2x2x2 antennas maximize throughput across all three bands. Performance stays reliable even in busy environments with dozens of connected devices, and enterprise-grade WPA3 security protects user data and every connection. Engineered for long-term stability, the system is built to run reliably in demanding residential and SMB installations.

Proximity View

A real-time view shows how each access point "sees" the others across the network, making it easy to spot overlapping coverage, gaps, and poor roaming zones.

Bridge Mode

Wireless Bridge Mode makes it easy to expand Wi-Fi coverage to detached structures, garages, patios, or remote areas where Ethernet isn't feasible. A built-in throughput test ensures reliable link quality before final deployment, allowing you to deliver seamless performance without pulling new cable.

Wi-Fi Optimization

AI-powered RF scanning continuously evaluates the wireless environment and automatically applies the best channel configuration in minutes. This eliminates the need for manual channel planning, speeds up setup, and delivers more predictable performance across every install.

Fully backward compatible with existing Araknis Wi-Fi 6 access points, allows mixed deployments with both Wi-Fi 6 and Wi-Fi 7 models so you can upgrade key areas without replacing your entire network.

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Specs

Wi-Fi	
Peak PHY Rates	2.4GHz: 541.7Mbps 5GHz: 2722.2Mbps 6GHz: 5444.4Mbps
Wi-Fi Standards	IEEE 802/11a/b/g/n/ac/ax/be
Supported Rates	802.11be: 4 to 5444.4 Mbps 802.11ax: 4 to 2402 Mbps 802.11ac: 6.5 to 866 Mbps 802.11n: 6.5 to 400Mbps 802.11a/g: 6 to 54 Mbps 802.11b: 1 to 11 Mbps
Frequency Modulation	2.4Ghz: Up to 1024-QAM 5GHz: Up to 4096-QAM 6GHz: Up to 4096-QAM
Supported Channels	2.4Ghz: 1-13 5GHz: 36-64, 100-144, 149-165 6GHz: 1-233
MIMO	2x2 SU-MIMO
Spatial Streams	2 streams SU-MIMO (2.4 / 5 / 6 GHz)
Radio Chains and Streams	2x2:2 (2.4GHz) 2x2:2 (5GHz) 2x2:2 (6GHz)
Channelization	20, 40, 80, 160, 320MHz
OFDMA	Downlink, Uplink
Security	Open, OWE, WPA2 AES, WPA2-PSK AES, WPA3, WPA3-SAE, WPA3-SAE Mixed
Power Save	STBC, U-APSD
Other Wi-Fi Features	WMM, TX Beamforming, 802.11r/k/v, BSS Coloring, TWT, LLDP

RF	
Antenna Gain (max)	2.4: up to 5.4 dBi, 5: up to 6.2 dBi, 6: up to 7.5 dBi
Peak Transmit Power	2.4: 23 dBm, 5: 24 dBm, 6: 22 dBm
Frequency Bands	ISM (2.4-2.484GHz) U-NII-1 (5.15-5.25GHz) U-NII-2A (5.25 -5.35GHz) U-NII-2C (5.47-5.725GHz) U-NII-3 (5.725-5.85GHz) U-NII-5 (5.925–6.425GHz) U-NII-6 (6.425–6.525GHz) U-NII-7 (6.525–6.875GHz) U-NII-8 (6.875–7.125GHz)

2.4GHz Receive Senstivity (dBm)							
HT20		HT40		VHT20		VHT40	
MCS0	MCS7	MCS0	MCS7	MCS0	MCS8	MCS0	MCS9
-92	-74	-91	-72	-92	-70	-91	-66
HE20				HE40			
MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11
-92	-74	-67	-62	-90	-71	-65	-59
EHT20				EHT40			
MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11
-92	-74	-67	-62	-89	-71	-64	-59

2.4GHz TX Power Target (Per Chain)	
Rate (MCS0)	Power Out (dBm)
EHT20 CH1	22.5
EHT20 CH6	24
EHT20 CH11	22.5
EHT40 CH1	20.5
EHT0 CH6	21.5
EHT40 CH11	20.5

Note: Max power varies by country setting, band, and MCS rate.

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5GHz TX Power Target (Per Chain)	
Rate (MCS0)	Power Out (dBm)
EHT20 CH48	22.5
EHT20 CH100	16.5
EHT20 CH149	22.5
EHT40 CH46	23.5
EHT40 CH102	19
EHT40 CH151	22.5
EHT80 CH58	20.5
EHT80 CH106	19
EHT80 CH155	21.5
EHT160 CH50	15
EHT160 CH114	14.5

5GHz Receive Sensitivty (dBm)															
VHT20				VHT40				VHT80				VHT160			
MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9
-92	-72	-69		-89	-70	-66	-64	-86	-67	-63	-61	-83	-64	-60	-59
HE20				HE40				HE80				HE160			
MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11
-92	-72	-67	-61	-89	-68	-64	-58	-86	-67	-61	-56	-83	-64	-59	-53
EHT20				EHT40				EHT80							
MCS0	MCS7	MCS9	MCS11	MCS13	MCS0	MCS7	MCS9	MCS11	MCS13	MCS0	MCS7				
-92	-72	-67	-62	-55	-89	-68	-64	-58	-52	-86	-67				
EHT160															
MCS0	MCS7	MCS9	MCS11	MCS13	MCS0	MCS7	MCS9	MCS11	MCS13	MCS0	MCS7	MCS9			
-92	-72	-67	-62	-55	-89	-68	-64	-58	-52	-86	-67	-61			
EHT160															
MCS11	MCS13	MCS0	MCS7	MCS9	MCS11	MCS13									
-56	-50	-83	-64	-59	-53	-47									

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6GHz TX Power Target (Per Chain)	
Rate (MCS0)	Power Out (dBm)
EHT 20 CH53	22.5
EHT 20 CH101	16.5
EHT 20 CH149	22.5
EHT 20 CH213	
EHT 40 CH43	23.5
EHT 40 CH107	19
EHT 40 CH155	22.5
EHT 40 CH211	22.5
EHT 80 CH39	20.5
EHT 80 CH103	19
EHT 80 CH151	21.5
EHT 80 CH215	21.5
EHT 160 CH79	15
EHT 160 CH111	14.5
EHT 160 CH143	
EHT 160 CH207	14.5

6GHz Receive Sensitivty (dBm)															
HE20				HE40				HE80				HE160			
MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11
-92	-72	-67	-61	-89	-68	-64	-58	-86	-67	-61	-56	-83	-64	-59	-53
EHT20				EHT40				EHT80							
MCS0	MCS7	MCS9	MCS11	MCS13	MCS0	MCS7	MCS9	MCS11	MCS13	MCS0	MCS7	MCS9	MCS11	MCS13	
-92	-72	-67	-61	-55	-89	-68	-64	-58	-52	-86	-67	-61	-56	-50	
EHT160				EHT320											
MCS0	MCS7	MCS9	MCS11	MCS13	MCS0	MCS7	MCS9	MCS11	MCS13	MCS0	MCS7	MCS9			
-83	-64	-59	-53	-47	-80	-61	-56	-50	-44	-86	-67	-61			

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Specs

Performance and Capacity	
Measured Throughput	2.4GHz: 447 Mbps 5GHz: 1873 Mbps 6GHz: 3747 Mbps
Client Capacity	Up to 381 clients per AP
SSID	Up to 26 per AP

Certifications and Compliance	
Wi-Fi Alliance	Wi-Fi 7 CERTIFIED
	Agile Multiband (MBO)
	WMM
	WPA2/WPA3
Standards Compliance	IEC 60950-1, IEC 62368-1 3rd
	FCC DFS, IC DFS, CE DFS, AS DFS

Physical Interfaces	
Ethernet	1 x 10GBASE-T Ethernet (RJ45)
	Power over Ethernet (802.3at/bt)

Power Consumption		
Power Supply	Operating Characteristics	Max Power Consumption
DC Power 12V/3.5A	Full Functionality	27.24W
802.3bt (Class 6)	Full Functionality	28.56W
802.3at (Class 4)	2.4Ghz Radio 2x2 (50% Transmit Duty Cycle) 5GHz Radio 2x2 (100% Transmit Duty Cycle) 6GHz Radio 2x2 (50% Transmit Duty Cycle)	24.84W

Networking	
IPv4	IPv4
802.1Q (1 per BSSID)	802.1Q (1 per BSSID)
Supplicant	Supplicant
Policy Management Tools	Rate Limiting
	L2 Access Control List
	WiFi Scheduler
	Max Client Limit
	Wireless Client Isolation
Other Features	Device Fingerprinting (via OvrC)
	Band Steering
	STP
	SNMP v2/v3
	Site Survey
	Channel Utilization

Physical Characteristics	
Physical Size	7.33in (L) x 7.33in (W) x 1.56in (H)
	18.61cm (L) x 18.61cm (W) x 3.95cm(H)
Weight	2.03 lbs
	0.92 kg
Mounting	Ceiling
Operating Temperature	0˚C (32˚F) - 50˚C (122˚F)
Operating Humidity	Up to 90% non-condensing
Storage Temperature	-30˚C (-22˚F) - 70˚C (158˚F)

Warranty	
2-Year Limited Warranty	Araknis Networks products have a 2-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified, or disassembled. Products to be repaired under this warranty must be returned to Snap One or a designated service center with prior notification and an assigned return authorization number (RA).