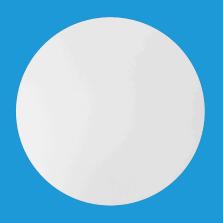
## Araknis Networks Wi-Fi 6 320 Series Indoor Wireless Access Point

AN-320-AP-I



## Product Photos







The entry-level Araknis AN-320 Wireless Access Point is an excellent addition for smaller projects, single-family homes, large rooms, and apartments. It features the latest Wi-Fi 6 from Araknis and supports OFDMA, MU-MIMO, 1024 QAM, 80MHz Channel Bandwidth, and BSS Coloring to enhance network capacity and reliability. The AN-320 includes a 2x2 antenna design, supporting peak data rates of up to 1800Mbps at 80MHz channel bandwidth, and a 1Gbps Ethernet LAN port.

#### Introductory Wi-Fi

This Araknis access point is designed for use with smaller projects that are budget-sensitive but still require leading edge network features.

#### Fast & Efficient Network

Wi-Fi 6 is the new standard for increased speed, coverage, and capacity. Installing a Wi-Fi 6 access point in your networks can also extend the battery life of Wi-Fi 6-connected devices.

The AN-320's 2x2 antenna provides a more powerful connection for more devices, ensuring your network won't sacrifice speed for size.

#### Easy Setup with OvrC Wi-Fi Managment

Wi-Fi 6 offers high-speed performance, while OvrC Wi-Fi management provides seamless control. Cloud configuration simplifies network setup, management, and troubleshooting across multiple access points from the OvrC app, saving time on manual setup.

### Araknis Networks Wi-Fi 6 320 Series Indoor Wireless Access Point

Wi-Fi	
Peak PHY Rates	2.4GHz: 574Mbps
reak rn r kales	5GHz: 1200Mbps
Wi-Fi Standards	IEEE 802/11a/b/g/n/ac/ax
	802.11ax: 8.6 to 1200 Mbps
	802.11ac: 6.5 to 866 Mbps
Supported Rates	802.11n: 6.5 to 400Mbps
	802.11a/g: 6 to 54 Mbps
	802.11b: 1 to 11 Mbps
Francisco Maria India	2.4Ghz: Up to 1024-QAM
Frequency Modulation	5GHz: Up to 1024-QAM
0	2.4Ghz: 1-13
Supported Channels	5GHz: 36-64, 149-165
141140	2x2 SU-MIMO
MIMO	2x2 MU-MIMO
0 1' . 1 01	2 streams SU/MU MIMO 5GHz
Spatial Streams	2 streams SU/MU MIMO 2.4GHz
De l'e Cheire e d'Olesses	2x2:2 (5GHz)
Radio Chains and Streams	2x2:2 (2.4GHz)
Channelization	20, 40, 80MHz
OFDMA	Downlink, Uplink
Security	Open, WPA Mixed, WPA-PSK Mixed, 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, LDPC

2.4GHz: 23dBm			
2.4GHz: Up to 3dBi			
5GHz: Up to 3dBi			
2.4GHz: 23dBm			
5GHz: 25dBm			
ISM (2.4-2.484GHz)			
U-NII-1 (5.15-5.25GHz)			
U-NII-3 (5.725-5.85GHz)			

5GHz TX Power Target (Per Chain)				
Rate (MCS0)	Power Out (dBm)			
HE20 CH48	22.5			
HE20 CH100	16.5			
HE20 CH149	22.5			
HE40 CH46	23.5			
HE40 CH102	19			
HE40 CH151	22.5			
HE80 CH58	20.5			
HE80 CH106	19			
HE80 CH155	21.5			

2.4GHz Receive Senstivity (dBm)								
нт					T20			
MCS0	MCS7	MCS0	MCS7	MCS0	MCS8	MCS0	MCS9	
-92	-74	-91	-72	-92	-70	-91	-66	
MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11	
-92	-74	-67	-62	-90	-71	-65	-59	

2.4GHz TX Power Target (Per Chain)				
Rate (MCS0) Power Out (dBm)				
HE20 CH1	22.5			
HE20 CH6	24			
HE20 CH11	22.5			
HE40 CH1	20.5			
HE40 CH6	21.5			
HE40 CH11	20.5			

5GHz Rece	eive Sensiti	vty (dBm)									
		T20								T80	
MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9
-92	-72	-69		-89	-70	-66	-64	-86	-67	-63	-61
			HE40								
MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11
-92	-72	-67	-61	-89	-68	-64	-58	-86	-67	-61	-56

### Specs

# Araknis Networks® Wi-Fi 6 320 Series Indoor Wireless Access Point

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

Performance and Capacity				
Magazina d Three cahacit	2.4Ghz: 408Mbps			
Measured Throughput	5GHz: 935Mbps			
Client Capacity	Up to 254 clients per AP			
SSID	Up to 9 SSID Per Radio including Guest Wi-Fi (Total 18 SSIDs)			

Certifications and Compliance				
Wi-Fi Alliance	Wi-Fi 6 CERTIFIED a, b, g, n, ac, ax			
	Agile Multiband (MBO)			
	WMM			
	WPA/WPA2/WPA3			
Standards Compliance	IEC 60950-1, IEC 62368-1 3rd			
	FCC DFS, IC DFS, CE DFS, AS DFS			

Physical Interfaces				
Filtrand	1 x 1G BASE-T Ethernet (RJ45)			
Ethernet	Power over Ethernet			

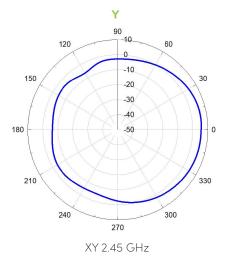
Physical Characteristics				
DL - ' - LC'	7.33in (L) x 7.33in (W) x 1.56in (H)			
Physical Size	18.61cm (L) x 18.61cm (W) x 3.95cm(H)			
Weight	1.32 lbs			
	0.60 kg			
Mounting	Ceiling			
Operating Temperature	0°C (32°F) - 50°C (122°F)			
Operating Humidity	Up to 90% non-condensing			
Storage Temperature	-30°C (-22°F) - 70°C (158°F)			

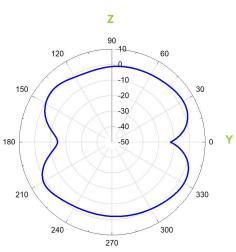
Power Consumption				
Power Supply Operating Characteristics		Max Power Consumption		
802.3bt (PoE+)	Full Functionality	14.28W		
002 2-4 (D-E)	2.4Ghz Radio 1x1	11.26\4/		
802.3at (PoE)	2nd Ethernet Port Disabled	11.26W		

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).

## Araknis Networks® Wi-Fi 6 320 Series Indoor Wireless Access Point

### Propagation Patterns





YZ 2.45 GHz

