

HIGHLIGHTS

FortiAP 321C

The FortiAP 321C is a dual-radio 802.11ac AP, designed for medium density indoor environments, including hotspot and guest or social WiFi deployments. The smoke detector form factor is perfect where discreet installation is required, like school classrooms and retail stores.



 **802.11ac Wave 1 | Dual Radio 2.4 and 5 GHz | 6 Internal Antennas**

 **3x3 MIMO | Up to 450 + 1,300 Mbps**

SPECIFICATIONS

FORTIAP 321C	
Hardware	
Hardware Type	Indoor
Number of Radios	2
Number of Antennas	6 Internal
Peak Antenna Gain	4 dBi for 2.4 GHz, 5 dBi for 5 GHz
Frequency Bands (GHz) *	2.400–2.4835, 5.150–5.250, 5.250–5.350, 5.470–5.725, 5.725–5.850
Frequency of Radio 1	2.4 GHz b/g/n
Frequency of Radio 2	5 GHz a/n/ac
Maximum Data Rate	Radio 1: Up to 450 Mbps, Radio 2: Up to 1300 Mbps
Tx/Rx Streams	3x3 MIMO with 3 spatial streams
Ethernet Ports	1x GE RJ45
USB Port	–
Serial Console Port	–
Power over Ethernet (PoE)	IEEE 802.3af (12.9 W)
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	16 (14 if background scanning enabled)
EAP Type(s)	EAP-TLS, EAP-TTLS/MSCHAPv2, EAPV0/EAP-MSCHAPv2, PEAPv1/EAP-GTC EAP-SIM, EAP-AKA, EAP-FAST
User/Device Authentication	WPA™ and WPA2™ with 802.1x or Preshared key, WEP and Web Captive Portal, MAC blacklist & whitelist
Maximum Tx Power	20 (100 mW) *
Physical Security	Kensington Lock
Mean Time Between Failures	> 10 years
IEEE Specifications	802.11a, 802.11b, 802.11e, 802.11g, 802.11h, 802.11i, 802.11j, 802.11n, 802.1x, 802.3af, 802.11ac
802.11ac 80MHz Channel	Yes
802.11n Features	20 MHz and 40 MHz High-Throughput (HT) Support Increased maximum frame transmission by incorporating A-MPDU and A-MSDU Packet Aggregation Conserve power via Dynamic MIMO power save

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Advanced 802.11n to enhance rate-over-range including:	Low-density parity check (LDPC) encoding Maximum likelihood demodulation (MLD) Maximum Ratio Combining (MRC) for improved receiver performance
Mounting Options	Ceiling, T-Rail and wall
Included Accessories	Ceiling, T-Rail and wall mount kit
FortiPresence Capable	Yes
Wireless Monitoring Capabilities	
Frequencies scanned	2.4 and 5 GHz
Background scan with client access on 2.4 and 5 GHz	Yes
Full-time scan as dedicated monitor	Yes
Full-time scan with client access on 5G GHz	Yes
Dimensions	
Length x Width x Height	6.3 x 6.3 x 1.66 inches (16.2 x 16.2 x 4.2 cm)
Weight	0.77 lb (0.35 kg)
Package (shipping) Weight	1.33 lb (0.6 kg)
Environment	
Power Supply	Adapter Input: 100–240V, 50/60Hz, 0.4A Output: 12V DC, 2A
Power Consumption (Average)	4.9 W
Power Consumption (Maximum)	12.48 W
Humidity	5–90% non condensing
Operating Temperature	32–113°F (0–45°C)
Storage Temperature	-4–140°F (-20–60°C)
Directives	Low Voltage Directive • RoHS
Certifications	
WiFi Alliance Certified	Yes
Warranty	
Limited Lifetime Warranty	Yes

* Frequency selection and power may be restricted to abide by regional regulatory compliance laws.

ANTENNA RADIATION PATTERNS

FAP-321C

