

HIGHLIGHTS

FortiAP 210B

Centrally managed by a FortiGate® or FortiWiFi™ platform with its integrated Wireless Controller, the FortiAP 210B is a compact single radio 802.11n AP, designed for non-mission critical applications in low density indoor environments like small branch offices.



 **802.11n | 2.4/5 GHz Radio | 2 Internal Antennas**

 **2x2 MIMO | Up to 300 Mbps**

SPECIFICATIONS

FORTIAP 210B	
Hardware	
Indoor/Outdoor Deployment	Indoor
Number of Radios	1
Number of Antennas	2 Internal
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 or 5 GHz a/n (Selectable)
Frequency of Radio 2	—
Tx/Rx Streams n(802.11n mode)	2x2 MIMO dual stream – 300 Mbps/Radio
Ethernet Port	1x 10/100/1000
Serial Console Port	1
Power over Ethernet (PoE)	802.3af (15.4 W)
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
WMM® Multimedia Features	Certified by the WiFi Alliance's Wi-Fi Multimedia™ certification program
Simultaneous SSIDs	8 (7 for client access, 1 for monitoring)
EAP Type(s)	EAP-TLS, EAP-TTLS/MSCHAPv2, EAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC EAP-SIM, EAP-AKA, EAP-FAST
Maximum Transmission Power	17 dBm (50 mW)
Physical Security	Kensington Lock
Mean Time Between Failures	86,013 hours
Dimensions	
Length x Width x Height	5.1 x 6.4 x 1.1 inches (129.5 x 163 x 27 mm)
Weight	11.2 oz (317 g)
Mounting Options	Wall or ceiling**
Environment	
Power Adapter	Adapter Input: 100–240V, 50/60Hz, 0.6A Output: 12V DC, 1.5A – center positive
Power Consumption (Average / Maximum)	N/A
Humidity	10–90% non-condensing
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-4–140°F (-20–60°C)
Target Application	Dedicated AP with background scan or dedicated air monitor
Directives	Low Voltage Directive • RoHS2

FORTIAP 210B	
DECLARATION OF CONFORMITY	
Organization	Compliance Identifier
CB	IEC 60950-1
UL	UL 60950-1, CSA C22.2 No. 60950-1
FCC	FCC Part 15 Subpart B (Class B), Subpart C and Subpart E
IC	RSS-210, RSS-GEN, RSS-102, ICES-003
CE	R&TTE Directive 1995/5/EC (EN 300 328, EN 301 893, EN 301 489, EN 50385, EN 60950-1) EMC Directive 2004/108/EC (EN 55022, EN 55024) LVD Directive 2006/95/EC (EN 60950-1) RoHS2 Directive 2011/65/EU (EN 50581)

* Frequency selection varies by region-specific SKU

** Sold separately under the SKU: FAP-200-MNT-1

RF RX/TX PERFORMANCE TABLE

FORTIAP 210B RADIO 1				
802.11 a/g	2.4 GHz		5 GHz	
	Tx Power	Rx Sensitivity	Tx Power	Rx Sensitivity
6 Mbps	15	-89	19	-90
9 Mbps	15	-89	19	-89
12 Mbps	15	-87	19	-87
18 Mbps	15	-85	19	-85
24 Mbps	15	-81	19	-81
36 Mbps	15	-78	19	-78
48 Mbps	15	-75	19	-75
54 Mbps	15	-73	19	-73
802.11n HT20				
MCS0	15	-93	19	-90.5
MCS1	15	-92	18	-88
MCS2	15	-88.5	17.5	-85
MCS3	15	-87	17.5	-83
MCS4	15	-83	17.5	-79.5
MCS5	15	-80	17.5	-75
MCS6	15	-78	17	-73
MCS7	15	-75	16	-72
802.11n HT40				
MCS0 /8	14.6	-90	18	-86
MCS1 /9	14.6	-89	17	-85
MCS2 /10	14.6	-87	17	-83
MCS3 /11	14.6	-83	17	-80.5
MCS4 /12	14.6	-89	17	-77.5
MCS5 /13	14.6	-80	16.5	-73
MCS6 /14	14.6	-75	16	-71
MCS7 /15	14.6	-72	15	-70

ANTENNA RADIATION PATTERNS

FAP-210B

