


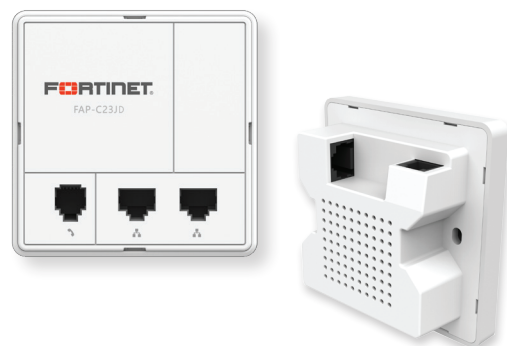
HIGHLIGHTS

FortiAP C23JD

The FAP-C23JD is a cost-effective in-room high-speed WiFi service over existing in-room telephone lines access point, suitable for hotel and dorm rooms. This access point can be installed in minutes, right over the existing wall plate.

 **802.11n | Single Radio 2.4 GHz | 2 Internal Antennas**

 **Up to 300 Mbps**



SPECIFICATIONS

FORTIAP C23JD	
Hardware	
Hardware Type	Indoor Wall Plate AP
Number of Radios	1
Number of Antennas	2 internal
Peak Antenna Gain	2 dBi for 2.4 GHz
Frequency Bands (GHz) *	2.400–2.4835
Frequency of Radio 1	2.4 GHz 802.11b/g/n (2x2:2 stream) 20/40 MHz
Frequency of Radio 2	N/A
Maximum Data Rate	300 Mbps (2.4 G)
Ethernet Ports	3x FE RJ45 (1x 802.3af PoE back, 2 front)
USB Port	N/A
Serial Console Port	N/A
Power over Ethernet (PoE)	1x PoE RJ45 port for 802.3af (15.4 W)
Simultaneous SSIDs	4 (can be expanded to 8 later by SW)
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
Maximum Tx Power	20 dB
Physical Security	No
IEEE Standards	802.11b/g/n
FortiPresence Capable	No
Wireless Mesh Capable	No
Management Systems	FortiGate or FortiCloud
SSID Types Supported	Local-Bridge, Tunnel
FortiDeploy & FortiCloud Key	No
Maximum Concurrent Clients per Radio	12
LED Off Mode	LED covered by front cover
Advanced 802.11 Features	
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
Low-Density Parity Check (LDPC) Encoding	Yes
Maximum Ratio Combining (MRC)	yes
A-MPDU and A-MSDU Packet Aggregation	Yes
MIMO Power Save	Yes
Short Guard Interval	Yes
WME Multimedia Extensions	Yes

FORTIAP C23JD	
Dimensions	
Length x Width x Height	3.4 x 3.4 x 1.38 inches (86 x 86 x 35 mm)
Weight	1.02 lb (0.46 kg)
Package (shipping) Weight	1.3 lb (0.6 kg)
Mounting Options	Wall
Included Accessories	None
Environment	
Power Supply	PoE 802.3af (15.4 W)
Maximum FAP Power Consumption with 802.3af PoE	5 W
Humidity	10–90% non-condensing
Operating Temperature	32–122°F (0–50°C)
Storage Temperature	-40–158°F (-40–70°C)
Mean Time Between Failures	>10 Years
IP Rating	N/A
Certifications	
CCC (China)	Yes
SRRC (China)	Yes
Warranty	
Limited Lifetime Warranty	Yes

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

RF RX/TX PERFORMANCE TABLE

FORTIAP C23JD			
		Radio 1 2.4 GHz	
802.11 a/b/g	Mamimum TX Power per Transmit Chain (dBm)		RX Sensitivity (dBm) per Receiver Chain
6 Mbps	20		-92
9 Mbps	20		-92
12 Mbps	20		-90
18 Mbps	20		-88
24 Mbps	20		-87
36 Mbps	20		-82
48 Mbps	19		-77
54 Mbps	17		-76
802.11 HT20			
MSC 0/8/16 (BPSK)	19		-91
MSC 1/9/17 (QPSK)	19		-89
MSC 2/10/18 (QPSK)	19		-86
MSC 3/11/19 (16-QAM)	19		-84
MSC 4/12/20 (16-QAM)	19		-78
MSC 5/13/21 (64-QAM)	18		-73
MSC 6/14/22 (64-QAM)	17		-72
MSC 7/15/23 (64-QAM)	16		-72
802.11 HT40			
MSC 0/8/16 (BPSK)	19		-89
MSC 1/9/17 (QPSK)	19		-87
MSC 2/10/18 (QPSK)	19		-84
MSC 3/11/19 (16-QAM)	18		-82
MSC 4/12/20 (16-QAM)	18		-77
MSC 5/13/21 (64-QAM)	18		-72
MSC 6/14/22 (64-QAM)	17		-71
MSC 7/15/23 (64-QAM)	17		-70

Maximum capability of the Hardware provided (Excluding antenna gain)