

FortiAP™ Universal Access Point Series

FAP-U421EV and U423EV

Enterprise WiFi has transformed from a transient network to a permanent fixture within all organizations. The data transported on our wireless networks span from classroom video conferencing to healthcare patient monitoring traffic to financial Point-of-Sale transactions. Expectations continue to rise for this always on, always everywhere network. Today, WiFi is no longer a convenience but a mission critical utility.





Universal Access Management

Ability to intelligently support stand-alone controllers (FortiWLC), integrated security controllers (FortiGate) and cloud management (future) options, establish a new benchmark in flexibility, performance and security.



Latest WiFi technologies

802.11ac Wave 2 technology with data rates of up to 3.5 Gbps and multi-user MIMO (MU-MIMO) improves client throughput and range.



Unmatched Security Protection

Integrates with Fortinet's Security Fabric providing unparalleled cybersecurity protection at the network edge.

Product Offerings

FAP-U421EV

4x4 MU-MIMO APs

802.11ac Wave 2, FAP-U423EV with dual radios

HIGHLIGHTS

Fortinet Universal access points are designed to support medium to large offices, schools, universities, hospitals, hotels, and large retail stores.

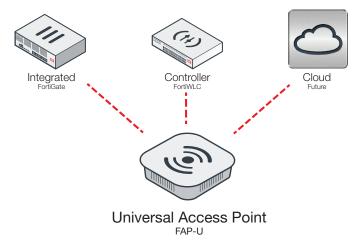
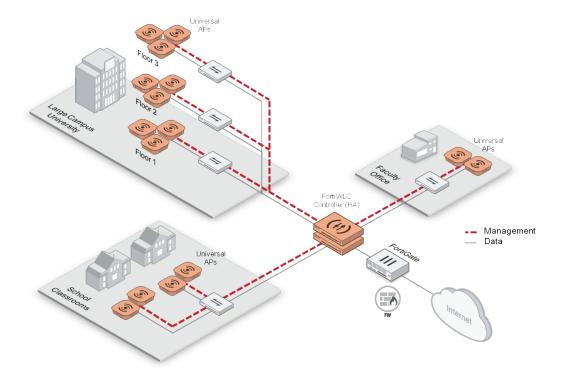


Figure 1 — Universal Access Management, highest Gigabit WiFi performance and unmatched security protection.

Education

Deployment of large scale WiFi requires site surveys, channel planning and worries over cell sizes and transmit power. Fortinet's Universal access points ,when paired with our wireless controllers (FortiWLC and MC), eliminates this work.

This enables school administrators to simplify initial deployment or the adding of APs to support more students throughout the campus or in classrooms without the headaches of more wireless network planning.



 $\label{eq:Figure 2-Educational organizations with Universal APs managed by on-premise FortiWLC controllers.$

HIGHLIGHTS

Healthcare

Patient safety is priority one. Fortinet Universal APs empower hospitals to improve patient safety by enabling life-critical applications such as telemetry requiring low bandwidth but exceptionally high reliability. Our Integrated secure wireless controllers (FortiGate) connected to our Universal access points ensures patient safety remains paramount.

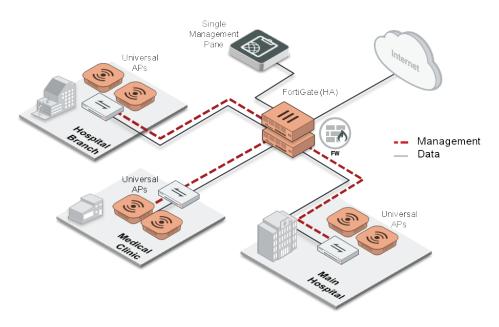


Figure 3 — Healthcare organizations with Universal APs managed by on-premise FortiGate controllers.

Small/Medium Business

The retail sector continues to be a top target for cyber criminals.

To protect themselves and their customers, while also providing robust wireless services to their customers and employees, retailers need a cost-effective wireless solution. Retailers can streamline WiFi store deployments through the combination of Universal APs and FortiGate.

This, in combination with FortiGuard services, provides cybersecurity protection to mitigate risk to retailers from damage created by a data breach.

Figure 4 — Retail store with Universal APs managed by FortiGate.

HIGHLIGHTS

FortiAP U421EV and U423EV

The FortiAP U421EV and U423EV access points support the latest 802.11ac Wave 2 standard, with a client association rate of up to 3.5 Gbps. Additional features include 802.11ac explicit transmit beamforming (TxBF), MU-MIMO and more.



802.11ac Wave 2 | Dual Radio 2.4 & 5 GHz | 8 Interior/Exterior Antennas



4x4 MU-MIMO | Up to 800 Mbps + 3.46 Gbps



SPECIFICATIONS

Mardware		FORTIAP U421EV	FORTIAP U423EV		
Number of Radios 2 2 Number of Antennas 9 Internal (8 WFF + 1 Bustonth/BLE) 3 FP-SMA Esternal and 1 Bustont/BLE Internal	Hardware				
Number of Antennas	Hardware Type	Indoor Universal AP	Indoor Universal AP		
Peak Antenna Gain	Number of Radios	2	2		
Fequency Bands (GHz)* 2.400-2.4835, 2.400-2.4835, 5150-5.250, 5.250-5.350, 5.470-5.725, 5.725-6.850 5150-2.20, 5.250-5.350, 5.470-5.725, 5.725-6.851 7.500-2.00, 5.250-5.0	Number of Antennas	9 Internal (8 WiFi + 1 Bluetooth/BLE)	8 RP-SMA External and 1 Bluetooth/BLE Internal		
Frequency Bands (6Hz)*	Peak Antenna Gain	4 dBi for 2.4 GHz,	3 dBi for 2.4 GHz,		
Frequency of Radio 1		5 dBi for 5 GHz	3 dBi for 5 GHz		
Prequency of Radio 1	Frequency Bands (GHz) *				
Prequency of Radio 2					
Frequency of Radio 2	Frequency of Radio 1	v v	•		
Maximum Data Rate	Francisco of Dadio O	<u></u>			
Maximum Data Rate Radio 1: up to 800 Mtps Radio 2: up to 3.46 Gbps Radio Chains / Streams 4x4 / spatial streams 4x4 / spatial streams Bluetooth Low Energy (BT/BLE) Radio 4 dBm Tansmit Power (class 2) -94 dBm Receive Sersitivity 4 dBm Tansmit Power (class 2) -94 dBm Receive Sersitivity Ethernet Ports 2x GE R.45 2x GE R.45 USB Port 1x Type A 1x Type A Serial Console Port 1 RS-232 x R.45 1 RS-232 x R.45 Power over Ethernet (PoE) Dual redundant PoE power ports with support for IEEE 802 3at (25.5 W) Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W) Simultaneous SSIDs Per Radio Up to 16 (14 if background scanning enabled) 16 (14 if background scanning enabled) 16 (14 if background scanning enabled) EAP Type(s) EAP*TILS_APP*TILS_MSCHAPV2, EAP*O/EAP*MSCHAPV2, EAP*ACEA*PACP*APV2, EAP*ACEA*PACP*APV1/EAP*MSCHAPV2, EAP*ACEA*PACP*APV1/EAP*MSCHAPV2, EAP*ACEA*PACP*APV1/EAP*MSCHAPV2, EAP*ACEA*PACP*APV1/EAP*MSCHAPV2, EAP*ACEA*PACP*ACEA*PACP*ACEA*PACP*ACEA*PACP*ACEA*PACP*ACEAP*AC	Frequency of Radio 2				
Radio Chains / Streams	Maximum Data Rate				
Bluetoth Low Energy (BT/BLE) Radio	mammam bata nato				
Part	Radio Chains / Streams	4x4 / spatial streams	4x4 / spatial streams		
Ethermet Ports 2x GE RJ45 2x GE RJ45 USB Port 1x Type A 1x Type A Serial Console Port 1 RS-232 x RJ45 1 RS-232 x RJ45 Power over Ethermet (PoE) Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W) Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W) Simultaneous SSIDs Per Radio Up to 16 (14 if background scanning enabled) 16 (14 if background scanning enabled) EAP Type(s) EAP-TRLS (AP-TRLS (AP-AVA) (EAP-AVA) (EAP-AVA) (EAP-AP-AVA) EAP-TILS, EAP-TRLS/MSCHAPV2, EAP-AVA (EAP-AP-AVA) User/Device Authentication WPA™ and WPA2™ with 802.1x or Preshared key, WPA and Web Captive Portal, MAC blacklist & whitelist WPA™ and WPA2™ with 802.1x or Preshared key, WPP and Web Captive Portal, MAC blacklist & whitelist Maximum Tx Power 2.4 GHz band − 22.0 dBm¹ 2.4 GHz band − 22.0 dBm¹ Maximum Tx Power 5.0 GHz band − 20.0 dBm¹ 5.0 GHz band − 20.0 dBm¹ Physical Security Kensington Lock Kensington Lock Physical Security Kensington Lock Kensington Lock FortiPresence Capable Yes, when managed by controller Yes, when managed by controller Yes, when managed by controller Wireless Mesh Capable Yes Yes	Bluetooth Low Energy (BT/BLE) Radio	4 dBm Transmit Power (class 2)	4 dBm Transmit Power (class 2)		
USB Port		-94 dBm Receive Sensitivity	-94dBm Receive Sensitivity		
Serial Console Port 1 RS-232 x RJ45 1 RS-232 x RJ45 Power over Ethernet (PoE) Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W) Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W) Simultaneous SSIDs Per Radio Up to 16 (14 if background scanning enabled) 16 (14 if background scanning enabled) EAP Type(s) EAP-TLS FAP-TIL S/MSCHAPV2, EAP-0/EAP-MSCHAPV2, PEAP-1/I EAP-GTC EAP-SIM, EAP-AKA, EAP-FAST EAP-TLS EAP-TIL S/MSCHAPV2, EAP-0/EAP-MSCHAPV2, PEAP-1/I EAP-GTC EAP-SIM, EAP-AKA, EAP-FAST User/Device Authentication WPA™ and WPA2™ with 802.1x or Preshared key, WPA and WPA2™ with 802.1x or Preshared key,	Ethernet Ports	2x GE RJ45	2x GE RJ45		
Power over Ethernet (PoE) Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W) Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W) Simultaneous SSIbs Per Radio Up to 16 (14 if background scanning enabled) 16 (14 if background scanning enabled) EAP Type(s) EAP-TLS, EAP-TILS/MSCHAPv2, EAPv0/EAP-MSCHAPv2, PEAPv1/ EAP-GTC EAP-SIM, EAP-AKA, EAP-FAST EAP-TLS, EAP-TILS/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 & writtelist WPA™ and WPA2™ with 802.1x or Preshared key, WEP and Web Captive Portal, MAC blacklist & writtelist Maximum Tx Power 2.4 GHz band − 22.0 dBm* 5.0 GHz band − 20.0 dBm* 2.4 GHz band − 22.0 dBm* 5.0 GHz band − 20.0 dBm* Physical Security Kensington Lock Kensington Lock IEEE Standards 802.11a, 802.11a, 802.11b, 802.11d, 802.11e, 802.11g, 802.11h, 8	USB Port	1x Type A	1x Type A		
Simultaneous SSIDs Per Radio Up to 16 (14 if background scanning enabled) 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 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 WPA™ and WPA2™ with 802.1x or Preshared key, WEP and Web Captive Portal, MAC blacklist & whitelist Maximum Tx Power 2.4 GHz band − 22.0 dBm* 5.0 GHz band − 20.0 dBm* 5.0 GHz band − 20.0 dBm* 5.0 GHz band − 20.0 dBm* 2.0 dBm* 5.0 GHz band − 20.0 dBm* 5.0 GHz band − 20.0 dBm* Physical Security Kensington Lock Kensington Lock IEEE Standards 802.11a, 802.11a, 802.11a, 802.11b, 802.11a, 802.11a, 802.11a, 802.11a, 802.11a, 802.11a, 802.11b, 802.11	Serial Console Port	1 RS-232 x RJ45	1 RS-232 x RJ45		
EAP Type(s) EAP T	Power over Ethernet (PoE)	Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W)	Dual redundant PoE power ports with support for IEEE 802.3at (25.5 W)		
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 2.4 GHz band − 22.0 dBm* 5.0 GHz band − 20.0 dBm* 5.0 GHz band − 20.0 dBm* 5.0 GHz band − 20.0 dBm* 802.11a, 802.11b,	Simultaneous SSIDs Per Radio	Up to 16 (14 if background scanning enabled)	16 (14 if background scanning enabled)		
User/Device Authentication WPA™ and WPA2™ with 802.1x or Preshared key, WFP and Web Captive Portal, MAC blacklist & whitelist WPA™ and WPA2™ with 802.1x or Preshared key, WFP and Web Captive Portal, MAC blacklist & whitelist Maximum Tx Power 2.4 GHz band − 22.0 dBm* 5.0 GHz band − 22.0 dBm* 5.0 GHz band − 20.0 dBm* 2.4 GHz band − 22.0 dBm* 5.0 GHz band − 20.0 dBm* Physical Security Kensington Lock Kensington Lock IEEE Standards 802.11a, 802.11a, 802.11b, 802.11b, 802.11d, 802.11b, 802.11h, 802.11h	EAP Type(s)				
Maximum Tx Power2.4 GHz band – 22.0 dBm* 5.0 GHz band – 22.0 dBm* 5.0 GHz band – 20.0 dBm*2.4 GHz band – 22.0 dBm* 5.0 GHz band – 20.0 dBm*Physical SecurityKensington LockKensington LockIEEE Standards802.11a, 802.11a, 802.11a, 802.11b, 802.11d, 802.11a, 802.11b,					
Maximum Tx Power 2.4 GHz band – 22.0 dBm* 5.0 GHz band – 22.0 dBm* 5.0 GHz band – 20.0 dBm* 5.0 GHz band – 20.0 dBm* 2.4 GHz band – 22.0 dBm* 5.0 GHz band – 20.0 dBm* Physical Security Kensington Lock Kensington Lock IEEE Standards 802.11a, 802.11a, 802.11b, 802.11b, 802.11d, 802.11b, 802.11h, 802.1	User/Device Authentication				
FortiPresence Capable Yes, when managed by controller Yes Mc with SD 8.2, FWLM, and FortiGate support Local-Bridge, Tunnel & Mesh (When managed by controller) Local-Bridge, Tunnel & Mesh (When managed by controller) Up to 256 / Dependent on use case Description So GHz band - 20.0 dBm* 5.0 GHz band	Movimum Ty Downer				
Physical SecurityKensington LockKensington LockIEEE Standards802.11a, 802.11a, 802.11b, 802.11d, 802.11e, 802.11g, 802.11h, 802.11a, 802.11a, 802.11a, 802.11b, 802.11b, 802.11h, 802.11i, 802.11j, 802.11h, 802.11a, 802.11a, 802.11a, 802.11a, 802.11a, 802.11b, 802.11d, 802.11b, 802.11i, 802.11j, 802.11h, 802.11i, 802.11h, 	waxiiiuiii 1x Powei				
BEEE Standards	Physical Security				
802.11i, 802.11j, 802.11j, 802.11j, 802.11j, 802.3at, 802.3at, 802.3at, 802.3at, 802.3at, 802.11i, 802.11j, 802.11n, 802.1x, 802.3at, 802.3az FortiPresence Capable Yes, when managed by controller Yes, when managed by controller Wireless Mesh Capable Yes Yes Modes of Operation MC with SD 8.2, FWLM, and FortiGate support MC with SD 8.2, FWLM, and FortiGate support SSID Types Supported Local-Bridge, Tunnel & Mesh (when managed by controller) Local-Bridge, Tunnel & Mesh (when managed by controller) Concurrent Clients Per Radio (Maximum / Recommended) Up to 256 / Dependent on use case Up to 256 / Dependent on use case		<u>-</u>			
Wireless Mesh Capable Yes Yes Modes of Operation MC with SD 8.2, FWLM, and FortiGate support MC with SD 8.2, FWLM, and FortiGate support SSID Types Supported Local-Bridge, Tunnel & Mesh (when managed by controller) Local-Bridge, Tunnel & Mesh (when managed by controller) Concurrent Clients Per Radio (Maximum / Recommended) Up to 256 / Dependent on use case Up to 256 / Dependent on use case					
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SSID Types Supported Local-Bridge, Tunnel & Mesh (when managed by controller) Local-Bridge, Tunnel & Mesh (when managed by controller) Concurrent Clients Per Radio (Maximum / Recommended) Up to 256 / Dependent on use case Up to 256 / Dependent on use case	Wireless Mesh Capable	Yes	Yes		
Concurrent Clients Per Radio (Maximum / Recommended) Up to 256 / Dependent on use case Up to 256 / Dependent on use case	Modes of Operation	MC with SD 8.2, FWLM, and FortiGate support	MC with SD 8.2, FWLM, and FortiGate support		
	SSID Types Supported	Local-Bridge, Tunnel & Mesh (when managed by controller)	Local-Bridge, Tunnel & Mesh (when managed by controller)		
LED Off Mode Yes Yes	Concurrent Clients Per Radio (Maximum / Recommended)	Up to 256 / Dependent on use case	Up to 256 / Dependent on use case		
	LED Off Mode	Yes	Yes		

 $^{^{\}star}$ Frequency selection and power may be restricted to abide by regional regulatory compliance laws.

SPECIFICATIONS

	FORTIAP U421EV	FORTIAP U423EV
Advanced 802.11 Features	TOTTINI GAZTEV	
802.11ac MU-MIMO Wave 2	Yes	Yes
Transmit Beam Forming (TxBF)	Yes	Yes
Low-Density Parity Check (LDPC) Encoding	Yes	Yes
Maximum Likelihood Demodulation (MLD)	Yes	Yes
Maximum Ratio Combining (MRC)	Yes	Yes
A-MPDU and A-MSDU Packet Aggregation	Yes	Yes
MIMO Power Save	Yes	Yes
Short Guard Interval	Yes	Yes
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)	Yes (4 priority queues for voice, video, data and background traffic)
	res (4 priority quedes for voice, video, data and background traine)	res (4 priority quedes for voice, video, data and background traine)
Wireless Monitoring Capabilities	0.4 15.011	0.4 15.011
Frequencies Scanned	2.4 and 5 GHz	2.4 and 5 GHz
Background Scan with Client Access on 2.4 and 5 GHz	Yes	Yes
Full-time Scan as Dedicated Monitor	Yes	Yes
Packet Sniffer Mode	Yes	Yes
Spectrum Analyzer	Yes — Dedicated chipset	Yes — Dedicated chipset
Dimensions		
Length x Width x Height (inches)	8.46 x 8.46 x 2.2	8.46 x 8.46 x 2.2
Length x Width x Height (mm)	215 x 215 x 56	215 x 215 x 56
Weight	3.31 lb (1.5 kg)	3.4 lb (1.53 kg)
Package (shipping) Weight	5.09 lb (2.31 kg)	5.36 lb (2.43 kg)
Mounting Options	Ceiling, T-Rail and Wall	Ceiling, T-Rail and Wall
Included Accessories	Ceiling, T-Rail and wall mount kit	Ceiling, T-Rail and wall mount kit and 8 dipole antennas
	(AC power adapter sold separately)	(AC power adapter sold separately)
Environment		
Power Supply	Adapter input: 100-240V, 50/60 Hz, 0.9A	Adapter input: 100-240V, 50/60 Hz, 0.9A
	Max output: 12V DC, 3A	Max output: 12V DC, 3A
Power Consumption (Maximum)	24.58 W	24.58 W
Humidity	5–90% non condensing	5–90% non condensing
Operating Temperature	-4–122°F (-20–50°C)	-4–122°F (-20–50°C)
Storage Temperature	-40-158°F (-40-70°C)	-40-158°F (-40-70°C)
Directives	Low Voltage Directive • RoHS	Low Voltage Directive ● RoHS
UL2043 Plenum Material	Yes	Yes
Mean Time Between Failures	>30 Years	>30 Years
Hit-less PoE Failover	Yes	Yes
Compliance		
SAFETY		
FCC	Yes	Yes
ICES	Yes	Yes
CE	Yes	Yes
RCM	Yes	Yes
VCCI	Yes	Yes
RF		
IC	Yes	Yes
CE + RCM	Yes	Yes
WiFi Alliance		
WFA	Yes (FortiWLC and MC image only)	Yes (FortiWLC and MC image only)
Dynamic Frequency Selection		
CE DFS	Yes (FortiWLC and MC image only)	Yes (FortiWLC and MC image only)
Warranty		
Limited Lifetime Warranty	Yes	Yes

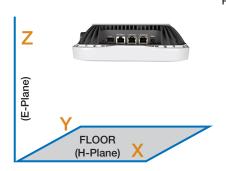
FAP-U421EV / FAP-U423EV RF RX/TX PERFORMANCE TABLE

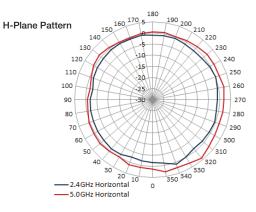
		Radio 1			
000 44 - /-	MAN TV D	2.4 GHz	5 GHz		
802.11 a/g	MAX TX Power per transmit chain (dBm)	RX Sensitivity per receiver chain (dBm)	MAX TX Power per transmit chain (dBm)	RX Sensitivity per receiver chain (dBm)	
6 Mbps	22	-94	20	-91	
9 Mbps	22	-92	20	-89	
12 Mbps	22	-89	20	-86	
18 Mbps	22	-88	20	-85	
24 Mbps	22	-83	20	-80	
36 Mbps	22	-78	19	-75	
48 Mbps	22	-77	19	-74	
54 Mbps	19	-76	18	-73	
802.11 HT20	TX Power (dBm)	RX Sensitivity (dBm)	TX Power (dBm)	RX Sensitivity (dBm)	
MSC 0/8/16 (BPSK)	22	-91	20	-89	
MSC 1/9/17 (QPSK)	21	-89	19	-87	
MSC 2/10/18 (QPSK)	20	-86	19	-84	
MSC 3/11/19 (16-QAM)	19	-85	18	-83	
MSC 4/12/20 (16-QAM)	19	-80	17	-78	
MSC 5/13/21 (64-QAM)	18	-75	17	-73	
MSC 6/14/22 (64-QAM)	18	-74	17	-72	
MSC 7/15/23 (64-QAM)	18	-73	17	-71	
802.11 HT40	TX Power (dBm)	RX Sensitivity (dBm)	TX Power (dBm)	RX Sensitivity (dBm)	
MSC 0/8/16 (BPSK)	21	-89	20	-86	
MSC 1/9/17 (QPSK)	20	-87	19	-84	
MSC 2/10/18 (QPSK)	20	-84	19	-81	
MSC 3/11/19 (16-QAM)	19	-83	18	-80	
MSC 4/12/20 (16-QAM)	19	-78	18	-75	
MSC 5/13/21 (64-QAM)	18	-73	17	-70	
MSC 6/14/22 (64-QAM)	18	-72	17	-69	
MSC 7/15/23 (64-QAM)	18	-71	17	-68	
MSC 8/16/24 (256-QAM)	15	-66	14	-65	
MSC 9/17/25 (256-QAM)	15	-65	14	-63	
802.11 HT80	TX Power (dBm)	RX Sensitivity (dBm)	TX Power (dBm)	RX Sensitivity (dBm)	
MSC 0 (BPSK)	-	_	18	-83	
MSC 1 (QPSK)	-	-	17	-80	
MSC 2 (QPSK)	-	-	17	-78	
MSC 3 (16-QAM)	_	_	16	-75	
	_	-	16	-73	
MSC 4 (16-QAM)					
	_	_	15	-72	
MSC 4 (16-QAM) MSC 5 (64-QAM) MSC 6 (64-QAM)	_ _		15 15	-72 -70	
MSC 5 (64-QAM) MSC 6 (64-QAM)	- - -			-70	
MSC 5 (64-QAM)	- - - -	- - -	15		

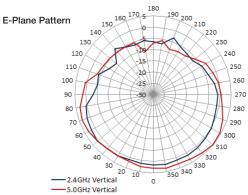
Maximum capability of the Hardware provided (Excluding antenna gain)

ANTENNA RADIATION PATTERNS

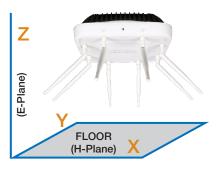
FAP-U421EV

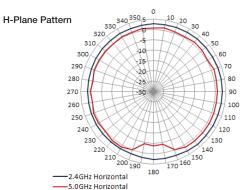


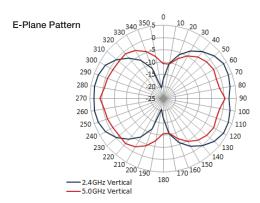




FAP-U423EV







PERFORMANCE MATRIX

		VHT	20	VHT	40	VHT	80	VH1	60
Descriptor	Data Streams	Normal GI	Short GI	Normal GI	Short GI	Normal GI	Short GI	Normal GI	Short G
MCS 0	1	6.5	7.2	13.5	15	29.3	32.5	58.6	65
MCS 1	1	13	14.4	27	30	58.5	65	117	130
MCS 2	1	19.5	21.7	40.5	45	87.8	97.5	175.6	195
MCS 3	1	26	28.9	54	60	117	130	234	260
MCS 4	1	39	43.3	81	90	175.5	195	351	390
MCS 5	1	52	57.8	108	120	234	260	468	520
MCS 6	1	58.5	65	121.5	135	263.3	292.5	526.6	585
MCS 7	1	65	72.2	135	150	292.5	325	585	650
MCS 8	1	78	86.7	162	180	351	390	702	780
MCS 9	1	NA	NA	180	200	390	433.3	780	866.6
WIOO O	'	101	IV	100	200		400.0	700	000.0
MCS 0	2	13	14.4	27	30	58.5	65	117	130
MCS 1	2	26	28.9	54	60	117	130	234	260
MCS 2	2	39	43.3	81	90	175.5	195	351	390
MCS 3	2	52	57.8	108	120	234	260	468	520
MCS 4	2	78	86.7	162	180	351	390	702	780
MCS 5	2	104	115.6	216	240	468	520	936	1040
MCS 6	2	117	130	243	270	526.5	585	1053	1170
MCS 7	2	130	144.4	270	300	585	650	1170	1300
MCS 8	2	156	173.3	324	360	702	780	1404	1560
MCS 9	2	NA	NA	360	400	780	866.7	1560	1733.4
MCS 0	3	19.5	21.7	40.5	45	87.8	97.5	175.6	195
MCS 1	3	39	43.3	81	90	175.5	195	351	390
MCS 2	3	58 58.5	65	121.5	135	263.3	292.5	526.6	585
MCS 3	3	78	86.7	162	180	351	390	702	780
MCS 4	3	17 117	130	243	270	526.5	585	1053	1170
MCS 5	3	156	173.3	324	360	702	780	1404	1560
MCS 6	3		195	364.5	405	NA		NA	NA
MCS 7	3	175.5 195	216.7	405	450	877.5	975	1755	1950
MCS 8	3	234	260	486	540	1053	1170	2106	2340
MCS 9	3		288.9	540			1300	2100 N/A	
INICO A	ა	260	200.9	540	600	1170	1300	IWA	N/A
MCS 0	4	26	28.9	54	60	117	130	234	260
MCS 1	4	52	57.8	108	120	234	260	468	520
MCS 2	4	78	86.7	162	180	351	390	702	780
MCS 3	4	104	115.6	216	240	468	520	936	1040
MCS 4	4	156	173.3	324	360	702	780	1404	1560
MCS 5	4	208	231.1	432	480	936	1040	1872	2080
MCS 6	4	234	260	486	540	1053	1170	2106	2340
MCS 7	4	260	288.9	540	600	1170	1300	2340	2600
MCS 8	4	312	346.7	648	720	1404	1560	2808	3120
MCS 9	4	NA	NA	720	800	1560	1733.3	3120	3466.6

ORDER INFORMATION

Product	SKU	Description
FortiAP U421EV	FAP-U421EV	Universal Indoor wireless AP — 4x4 MU-MIMO 802.11 a/b/g/n/ac Wave 2, dual concurrent dual-band (2.4 GHz/5 GHz) radios and 3rd BT/BLE radio, 2x GE RJ45 802.3at PoE ports, Internal antennas, ceiling/wall mount kit included, power adapter not included.
	FC-10-P0421-311-02-DD	8x5 FortiCare Contract
	FC-10-P0421-247-02-DD	24x7 FortiCare Contract
FortiAP U423EV	FAP-U423EV	Universal Indoor wireless AP — 4x4 MU-MIMO 802.11 a/b/g/n/ac Wave 2, dual concurrent dual-band (2.4 GHz/5 GHz) radios and 3rd BT/BLE radio, 2x GE RJ45 802.3at PoE ports, external antennas, ceiling/wall mount kit included, power adapter not included.
	FC-10-P0423-311-02-DD	8x5 FortiCare Contract
	FC-10-P0423-247-02-DD	24x7 FortiCare Contract
Gigabit PoE Injector	GPI-130	1-Port Gigabit PoE Power Injector, 802.3at up to 30W.
Power Adapter	SP-FAP400-PA	AC Power Adapter for FAP-U421EV, FAP-U423EV, FAP-S421E, FAP-S423E, FAP-421E and FAP-423E.

REGION/COUNTRY SKU SUFFIX*									
Americas-FCC	Europe ETSI	International	Japan	Korea	Non-FFCA	Singapore	Taiwan	World 2.4G	
-A	-E	-	-J	-K	-N	-S	-T	-W	

^{*} For the complete list of countries and regions, refer to http://www.fortinet.com/wireless.



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