FORTINET

FortiAP™ Series

Integrated 802.11n Access Points

FortiAP are thin access points, delivering secure, identity-driven WiFi access for your enterprise network, managed centrally by the integrated WLAN controller of any FortiGate® security appliance. With the integration of the wireless controller functionality into the market leading FortiGate appliance, **Fortinet delivers a true Unified Access Layer. This enables you to easily manage wired and wireless security from a Single-pane-of-glass management console and protects your network from the latest security threats.**

Unified Management

Unified management console simplifies operations, ensuring consistent and effective policy enforcement and compliance.

Advanced Security Protection

Wireless LAN security done right, from the leader in network security. Integrated Firewall, IPS, Application Control, and Web Filtering protect the wireless LAN from the latest security threats.

Built-in WiFi Security

Protects the network from advanced wireless threats and satisfies PCI DSS compliance.
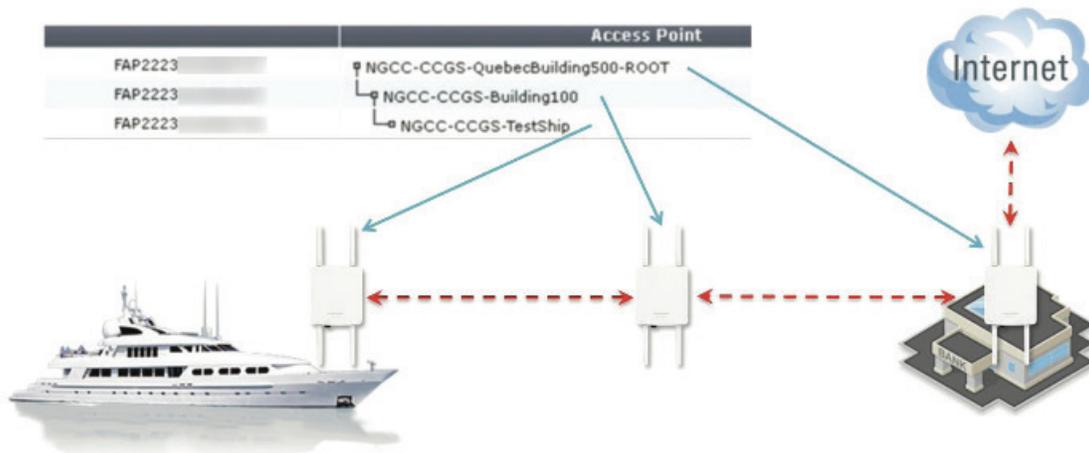
Product Offerings

FAP-24D	802.11n, 2x2 MIMO AP with single radio and LAN ports
FAP-112D	Entry-level 802.11n, IP66-rated outdoor AP with single radio
FAP-224D	802.11n, IP66-rated outdoor AP with dual radios
FAP-11C	
FAP-14C	
FAP-21D	Remote 802.11n APs with multiple Ethernet ports
FAP-25D	
FAP-28C	
FAP-210B	802.11n, 2x2 MIMO AP with single radio
FAP-221B	802.11n, 2x2 MIMO AP with dual radios

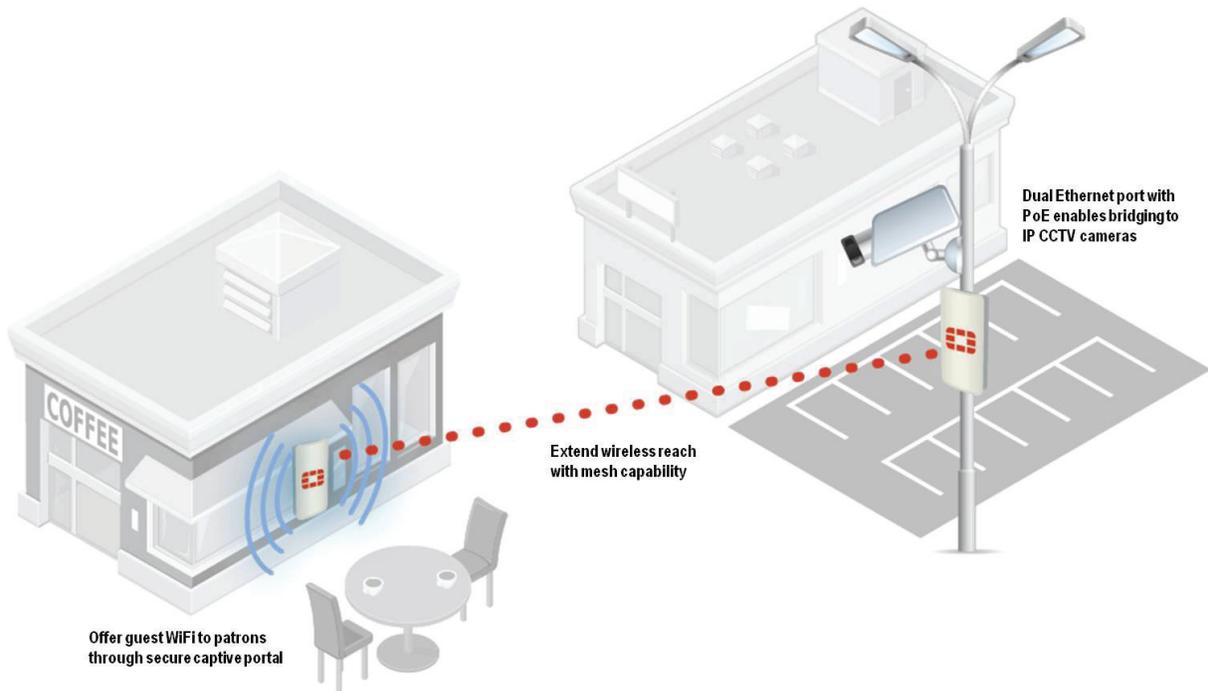# DEPLOYMENT

Centralized or Local Wireless Controller
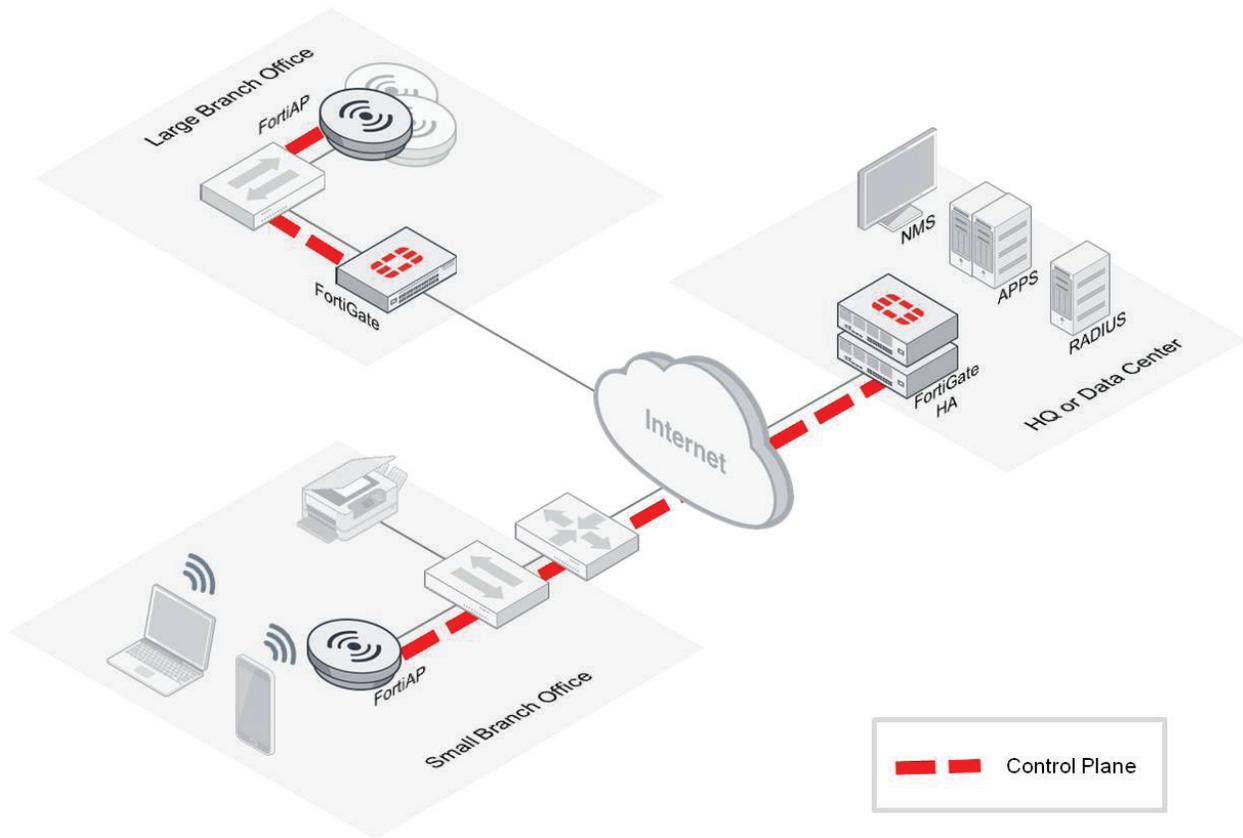
Outdoor Point-to-Point Bridging or Multipoint Mesh Deployment

DEPLOYMENT

Outdoor Mesh and PoE Pass-Though Deployment

Dual Ethernet port with PoE enables bridging to IP CCTV cameras

Extend wireless reach with mesh capability

Offer guest WiFi to patrons through secure captive portal

Remote AP Deployment

FortiAP Remote WLAN access points have been purpose-built for installation in remote locations, with coverage areas of up to 300m². Preprovisioned APs can be shipped to a remote user and connect back to the FortiGate wireless controller via a secure tunnel over any Internet connection. The AP can broadcast the same SSID at the remote location as it does at headquarters, providing a seamless roaming experience for users. The wired ports can also be bridged to an SSID, enabling devices such as VoIP phones to seamlessly connect back to the corporate network. The remote series of FortiAPs are designed to increase the security remote wireless LANs, while simplifying management and reducing helpdesk calls.

Remote Telecommuter or SOHO Deployment

Headquarters

Internet

Remote Deployment with Local Bridging

Headquarters

Internet
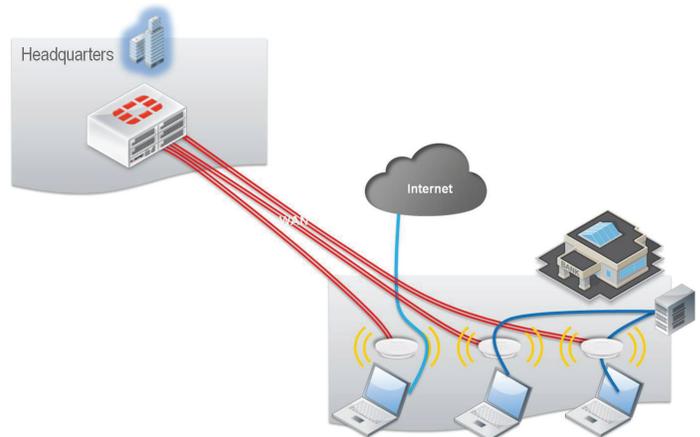
HIGHLIGHTS

FortiAP 24D

The FortiAP 24D is a cost-effective single radio 802.11n AP, designed for non-mission critical applications in low density indoor environments like small branch offices. The integrated switch-ports allow you to connect additional wired devices directly to the AP, such as PCs or printers.

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

2x2 MIMO | Up to 300 Mbps

SPECIFICATIONS

	FORTIAP 24D
Hardware	
Hardware Type	Indoor
Number of Radios	1
Number of Antennas	2 Internal
Peak Antenna Gain	4.6 dBi for 2.4 GHz, 6.3 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 or 5 GHz a/n
Frequency of Radio 2	–
Throughput	Up to 300 Mbps
Tx/Rx Streams	2x2 MIMO 2 spatial stream
Ethernet Ports	1x GE RJ45 WAN port, 4x FE RJ45 LAN ports
USB Port	1x Type A
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	8 (7 if background scanning is 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	18 dBm (63 mW) *
Physical Security	–
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
802.11ac 80MHz Channel	–
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
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

	FORTIAP 24D
Mounting Options	Wall
Included Accessories	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	–
Full-time scan as dedicated monitor	Yes
Full-time scan with client access on 5G GHz	–
Dimensions	
Length x Width x Height	6.69 x 4.37 x 1.02 inches (17.0 x 11.1 x 2.6 cm)
Weight	0.5 lb (0.225 kg)
Package (shipping) Weight	1.1 lb (0.5 kg)
Environment	
Power Supply	Adapter Input: 100–240V, 50/60Hz, 0.4A Output: 12V DC, 2A
Power Consumption (Average)	3 W
Power Consumption (Maximum)	3.36 W
Humidity	5–90% non condensing
Operating Temperature	32–104℉ (0–40℃)
Storage Temperature	-4–140℉ (-20–60℃)
Directives	Low Voltage Directive • RoHS
Warranty	
Limited Lifetime Warranty	Yes

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

RF RX/TX PERFORMANCE TABLE

| 802.11 a/g | FORTIAP 24D | | | | |
| | RADIO 1 | | RADIO 2 | | |
	5 GHz Tx Power (dBm)	Rx Sensitivity	2.4 GHz Tx Power (dBm)	Rx Sensitivity	
6 Mbps	20	-94	20	-88	
9 Mbps	19	-92	20	-88	
12 Mbps	19	-90	20	-86	
18 Mbps	19	-83	20	-84	
24 Mbps	19	-80	20	-80	
36 Mbps	18	-77	19	-77	
48 Mbps	18	-76	19	-74	
54 Mbps	17	-73	18	-72	
802.11n HT20					
MCS0	20	-92	20	-92	
MCS1	19	-90	20	-90	
MCS2	19	-87	20	-87	
MCS3	19	-85	20	-85	
MCS4	19	-82	20	-82	
MCS5	18	-79	19	-78	
MCS6	18	-76	19	-77	
MCS7	17	-74	18	-74	
802.11n HT40					
MCS0 /8	20	-91	20	-92	
MCS1 /9	19	-88	20	-89	
MCS2 /10	19	-85	20	-86	
MCS3 /11	19	-82	20	-83	
MCS4 /12	19	-79	20	-80	
MCS5 /13	18	-76	19	-77	
MCS6 14	18	-74	19	-74	
MCS7 /15	17	-72	18	-71	

HIGHLIGHTS

FortiAP 112D

The FortiAP 112D is an entry-level 802.11n outdoor AP, designed for outdoor deployments with a low client density. The AP is powered by PoE, but also features a spare Ethernet port supporting PoE-PS, which can be used to both bridge and power an outdoor IP CCTV camera.

802.11n | 2.4/5 GHz Radio | 1 Internal Antenna

1x1 MIMO | Up to 150 Mbps

SPECIFICATIONS

FORTIAP 112D	
Hardware	
Hardware Type	Outdoor IP55 rated
Number of Radios	1
Number of Antennas	1 internal
Peak Antenna Gain	6 dBi for 2.4 GHz, 6 dBi for 5 GHz
Frequency Bands (GHz) *	2.400–2.4835
Frequency of Radio 1	2.4 GHz b/g/n or 5 GHz a/n
Frequency of Radio 2	–
Throughput	Up to 150 Mbps
Tx/Rx Streams	1x1 MIMO with 1 spatial stream
Ethernet Ports	2x FE RJ45 ports with PoE pass-through. (one PoE-PD, one PoE-PS)
USB Port	–
Serial Console Port	–
Power over Ethernet (PoE)	IEEE 802.3af (PoE Passthrough requires 802.3at or included PoE injector)
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	8 (7 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	18 dBm (2 GHz), 16 dBm (5 GHz) *
Physical Security	Concrete Pole Mount
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 80MHz Channel	–
Mounting Options	Wall or pole
Included Accessories	30 Watt PoE injector with AC power adapter, wall mount kit, and pole mount kit
FortiPresence Capable	Yes

FORTIAP 112D	
Wireless Monitoring Capabilities	
Frequencies scanned	2.4 and 5 GHz
Background scan with client access on 2.4 and 5 GHz	–
Full-time scan as dedicated monitor	Yes
Dimensions	
Length x Width x Height	10.5 x 5.7 x 1.7 inches (267 x 145 x 44 mm)
Weight	1.48 lbs (0.675 kg)
Package (shipping) Weight	2.72 lbs (1.235 kg)
Environment	
Power Supply	Proprietary PoE Injector Adapter Input: 100–240V AC, 50–60 Hz
Power Consumption (Average)	7.21 W (22.61 W when using PoE Passthrough)
Power Consumption (Maximum)	7.88 W (23.28 W when using PoE Passthrough)
Humidity	10–90% non condensing
Operating Temperature	-4–140°F (-20–60°C)
Storage Temperature	-40–176°F (-40–80°C)
Directives	Low Voltage Directive ● RoHS
Certifications	
WiFi Alliance Certified	–

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

HIGHLIGHTS

FortiAP 224D

The FortiAP 224D is an 802.11n outdoor AP designed for medium density outdoor applications, like municipal WiFi or outdoor school environments. The IP66-rated enclosure protects the AP from the normal weather conditions you would expect outdoors and the RP-SMA antenna connections support the connection of external directional or panel antennas for extended coverage in challenging locations.

802.11n | Dual Radio 2.4 and 5 GHz | 4 External Antennas

2x2 MIMO | Up to 300 + 300 Mbps

SPECIFICATIONS

	FORTIAP 224D
Hardware	
Hardware Type	Ourdoor IP66 rated
Number of Radios	2
Number of Antennas	4 external RP-SMA
Peak Antenna Gain	5 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	5 GHz a/n
Frequency of Radio 2	2.4 GHz b/g/n
Throughput	Radio 1: Up to 300 Mbps, Radio 2: Up to 300 Mbps
Tx/Rx Streams	2x2 MIMO 2 spatial stream
Ethernet Ports	1x GE RJ45
USB Port	–
Serial Console Port	–
Power over Ethernet (PoE)	IEEE 802.3af
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 dBm (50 mW) *
Physical Security	Concrete and pole mount
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 80MHz Channel	–
802.11n Features	20 MHz and 40MHz High-Throughput (HT) Support
	Increased maximum frame transmission by incorporating A-MPDU and A-MSDU Packet Aggregation
	Conserve power via Dynamic MIMO power save
Advanced 802.11n to enhance rate-over-range including:	Low-density parity check (LDPC) encoding
	Maximum likelihood demodulation (MLD)
	Transmit beamforming (TxBF)

	FORTIAP 224D
Advanced 802.11n to enhance rate-over-range including:	Maximum Ratio Combining (MRC) for improved receiver
Mounting Options	Wall or pole
Included Accessories	PoE injector with AC power adapter, pole mount kit, wall mount kit, grouding cable and 4x dipole antennas
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
Dimensions	
Length x Width x Height	6.9 x 6.9 x 1.9 inches (176 x 176 x 47 mm)
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, 1.25A
Power Consumption (Average)	6.78 W
Power Consumption (Maximum)	11.76 W
Humidity	10–90% non condensing
Operating Temperature	23–110°F (-5–45°C)
Storage Temperature	-4–58°F (-20–70°C)
Directives	Low Voltage Directive ● RoHS
Certifications	
WiFi Alliance Certified	Yes

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

RF RX/TX PERFORMANCE TABLE

	FORTIAP 224D			
	RADIO 1		RADIO 2	
802.11 a/g	5 GHz Tx Power (dBm)	Rx Sensitivity (dBm)	2.4 GHz Tx Power (dBm)	Rx Sensitivity (dBm)
6Mbps	20	-87	20	-93
9Mbps	19	-85	20	-91
12Mbps	19	-83	20	-88
18Mbps	19	-81	20	-85
24Mbps	19	-78	20	-80
36Mbps	18	-77	19	-77
48Mbps	18	-76	19	-74
54Mbps	17	-75	18	-72
802.11n HT20				
MSC 0/8	20	-86	20	-86
MSC 1/9	19	-83	20	-83
MSC 2/10	19	-81	20	-81
MSC 3/11	19	-78	20	-78
MSC 4/12	19	-76	20	-76
MSC 5/13	18	-74	19	-72
MSC 6/14	18	-73	19	-71
MSC 7/15	17	-72	18	-70
802.11n HT40				
MSC 0/8	20	-83	20	-83
MSC 1/9	19	-80	20	-80
MSC 2/10	19	-78	20	-78
MSC 3/11	19	-75	20	-75
MSC 4/12	19	-73	20	-74
MSC 5/13	18	-72	19	-73
MSC 6/14	18	-70	19	-72
MSC 7/15	17	-69	18	-70

ANTENNA RADIATION PATTERNS

FAP-224D
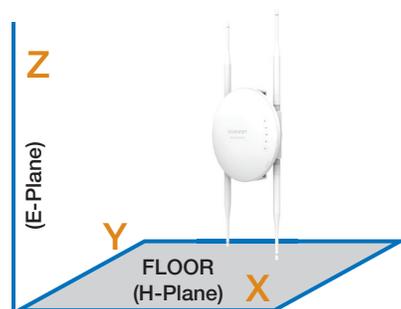
H-Plane Pattern
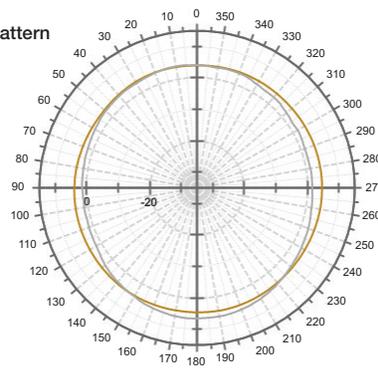
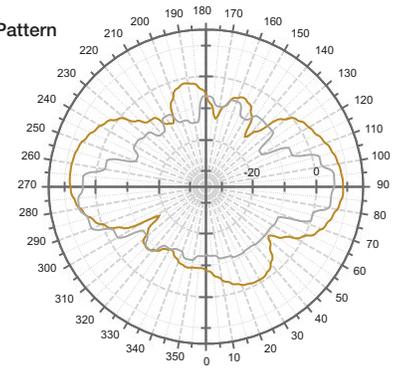E-Plane Pattern

Radio 1 – 5.5 GHz   Radio 2 – 2.4 GHz

Radio 1 – 5.5 GHz   Radio 2 – 2.4 GHz

HIGHLIGHTS

FortiAP 11C

The FortiAP 11C is a small plug-and-play 1x1 MIMO access point suitable for traveling road warriors or teleworkers, featuring an integrated power plug for easy storage and installation. It has two Ethernet ports (LAN and WAN), allowing you to connect wired devices like VoIP phones back to the corporate network, enabling an instant office for the distributed workforce.

802.11n | 2.4 GHz Radio | 1 Internal Antenna

1x1 MIMO | Up to 150 Mbps

SPECIFICATIONS

	FORTIAP 11C
Hardware	
Hardware Type	Remote (Indoor)
Number of Radios	1
Number of Antennas	1 internal
Peak Antenna Gain	2 dBi for 2.4 GHz
Frequency Bands (GHz) *	2.400–2.4835
Frequency of Radio 1	2.4 GHz b/g/n
Frequency of Radio 2	–
Throughput	Up to 150 Mbps
Tx/Rx Streams	1x1 MIMO 1 spatial stream
Ethernet Ports	2x GE RJ45 ports (1x WAN port, 1x LAN port)
USB Port	1x Type A, 1x Mini-B
Serial Console Port	–
Power over Ethernet (PoE)	–
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	8 (7 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	17 dBm (50 mW) *
Physical Security	–
Mean Time Between Failures	>10 years
IEEE Specifications	802.11b, 802.11e, 802.11g, 802.11h, 802.11i, 802.11j, 802.11n, 802.1x
Mounting Options	–
Included Accessories	International power plugs
FortiPresence Capable	Yes

	FORTIAP 11C
Wireless Monitoring Capabilities	
Frequencies scanned	–
Background scan with client access on 2.4 and 5 GHz	–
Full-time scan as dedicated monitor	–
Dimensions	
Length x Width x Height	1.5 x 3.5 x 4.3 inches (3.4 x 8.9 x 11 cm)
Weight	0.5 lbs (0.22 kg)
Package (shipping) Weight	1.6 lbs (0.74 kg)
Environment	
Power Supply	Integrated Power Supply with 100–240V AC, 50–60 Hz Input
Power Consumption (Average)	4.38 W
Power Consumption (Maximum)	6.86 W
Humidity	10–90% non-condensing
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-18–158°F (-35–70°C)
Directives	Low Voltage Directive • RoHS
Warranty	
Limited Lifetime Warranty	Yes

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

HIGHLIGHTS

FortiAP 14C

The FortiAP 14C is a cost-effective 1x1 MIMO access point, with integrated 5 port 10/100 Ethernet switch in small desktop form factor. The AP is designed for deployment in small remote offices or hotels, allowing a number of additional wired devices to be connected directly to the AP, such as PCs, VoIP phones or printers.

802.11n | 2.4 GHz Radio | 1 Internal Antenna

1x1 MIMO | Up to 150 Mbps

SPECIFICATIONS

FORTIAP 14C	
Hardware	
Hardware Type	Remote (Indoor)
Number of Radios	1
Number of Antennas	1 internal
Peak Antenna Gain	2 dBi for 2.4 GHz
Frequency Bands (GHz) *	2.400–2.4835
Frequency of Radio 1	2.4 GHz b/g/n
Frequency of Radio 2	–
Throughput	Up to 150 Mbps
Tx/Rx Streams	1x1 MIMO 1 spatial stream
Ethernet Ports	5x FE RJ45 ports (1x WAN port, 4x LAN ports)
USB Port	–
Serial Console Port	–
Power over Ethernet (PoE)	–
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	8 (7 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	17 dBm (50 mW) *
Physical Security	–
Mean Time Between Failures	>10 years
IEEE Specifications	802.11b, 802.11e, 802.11g, 802.11h, 802.11i, 802.11j, 802.11n, 802.1x
Mounting Options	Desktop, Wall
Included Accessories	AC power adapter and wall mount kit
FortiPresence Capable	Yes

FORTIAP 14C	
Wireless Monitoring Capabilities	
Frequencies scanned	–
Background scan with client access on 2.4 and 5 GHz	–
Full-time scan as dedicated monitor	–
Dimensions	
Length x Width x Height	3.86 x 4.92 x 1.06 inches (9.8 x 12.5 x 2.7 cm)
Weight	0.1 lbs (0.2 kg)
Package (shipping) Weight	1.2 lbs (0.56 kg)
Environment	
Power Supply	Adapter Input: 100–240V AC, 50–60 Hz
Power Consumption (Average)	3.35 W
Power Consumption (Maximum)	3.85 W
Humidity	20–90% non-condensing
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-13–158°F (-25–70°C)
Directives	Low Voltage Directive ● RoHS
Warranty	
Limited Lifetime Warranty	Yes

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

HIGHLIGHTS

FortiAP 21D

The FortiAP 21D is a tiny 2x2 MIMO access point, powered from a standard USB port (or included USB power adapter). This AP is perfect for deployment as cost-effective FortiPresence analytics sensor, or for traveling employees. The dual Ethernet ports enable bridging of devices like VoIP phones back to the corporate network.

802.11n | 2.4 GHz Radio | 2 Internal Antennas

2x2 MIMO | Up to 300 Mbps

SPECIFICATIONS

	FORTIAP 21D
Hardware	
Hardware Type	Remote (Indoor)
Number of Radios	1
Number of Antennas	2 internal
Peak Antenna Gain	2.5 dBi for 2.4 GHz
Frequency Bands (GHz) *	2.400–2.4835
Frequency of Radio 1	2.4 GHz b/g/n
Frequency of Radio 2	–
Throughput	Up to 300 Mbps
Tx/Rx Streams	2x2 MIMO 2 spatial stream
Ethernet Ports	2x FE RJ45 ports (1x WAN port, 1x LAN port)
USB Port	1x Type A
Serial Console Port	–
Power over Ethernet (PoE)	–
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	8 (7 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	17 dBm (50 mW) *
Physical Security	–
Mean Time Between Failures	>10 years
IEEE Specifications	802.11b, 802.11e, 802.11g, 802.11h, 802.11i, 802.11j, 802.11n, 802.1x
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
Advanced 802.11n to enhance rate-over-range including:	Low-density parity check (LDPC) encoding
	Maximum likelihood demodulation (MLD)
	Transmit beamforming (TxBF)
	Maximum Ratio Combining (MRC) for improved receiver

	FORTIAP 21D
Mounting Options	Desktop, Wall
Included Accessories	AC power adapter and wall mount kit
FortiPresence Capable	Yes
Wireless Monitoring Capabilities	
Frequencies scanned	–
Background scan with client access on 2.4 and 5 GHz	–
Full-time scan as dedicated monitor	–
Dimensions	
Length x Width x Height	2.9 x 3.2 x 0.9 inches (7.3 x 8.1 x 2.2 cm)
Weight	0.14 lbs (65 g)
Package (shipping) Weight	0.77 lbs (0.35 kg)
Environment	
Power Supply	"USB Mini-B Powered, 5V 2A Adapter Input: 100–240V AC, 50–60 Hz"
Power Consumption (Average)	3.3 W
Power Consumption (Maximum)	5.5 W
Humidity	10–85%, non-condensing (Operating)
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-13–158°F (-25–70°C)
Directives	Low Voltage Directive • RoHS
Warranty	
Limited Lifetime Warranty	Yes

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

HIGHLIGHTS

FortiAP 25D

The FortiAP 25D is a small power-strip design dual-band 2x2 MIMO access point. With 5 Ethernet ports, this AP is well suited to desktop deployments in hotels or hospitality environments, enabling the connection of Point-of-Sale and other remote equipment back to the corporate network.

802.11n | 2.4 or 5 GHz Radio | 2 Internal Antennas

2x2 MIMO | Up to 300 Mbps

SPECIFICATIONS

	FORTIAP 25D
Hardware	
Hardware Type	Remote (Indoor)
Number of Radios	1
Number of Antennas	2 internal
Peak Antenna Gain	2 dBi for 2.4 GHz, 3 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, 5 GHz a/n
Frequency of Radio 2	–
Throughput	Up to 300 Mbps
Tx/Rx Streams	2x2 MIMO 2 spatial stream
Ethernet Ports	1x GE RJ45 WAN port, 4x FE RJ45 LAN ports
USB Port	–
Serial Console Port	–
Power over Ethernet (PoE)	–
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	8 (7 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	16 dBm (40 mW) *
Physical Security	–
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
802.11n 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

	FORTIAP 25D
Advanced 802.11n to enhance rate-over-range including:	Low-density parity check (LDPC) encoding
	Maximum likelihood demodulation (MLD)
	Transmit beamforming (TxBF)
	Maximum Ratio Combining (MRC) for improved receiver
Mounting Options	Desktop, Wall
Included Accessories	AC power adapter 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	–
Full-time scan as dedicated monitor	Yes
Dimensions	
Length x Width x Height	0.9 x 2.8 x 1.4 inches (2.28 x 7 x 3.5 cm)
Weight	0.62 lbs (0.28 kg)
Package (shipping) Weight	1.01 lbs (0.46 kg)
Environment	
Power Supply	Adapter Input: 100–240V AC, 50–60 Hz
Power Consumption (Average)	2.5 W
Power Consumption (Maximum)	2.7 W
Humidity	0–90% non-condensing
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-13–158°F (-25–70°C)
Directives	Low Voltage Directive • RoHS
Warranty	
Limited Lifetime Warranty	Yes

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

HIGHLIGHTS

FortiAP 28C

The FortiAP 28C is designed for larger remote offices, featuring a higher performance dual-band 2x2 MIMO radio and a 10 port Gigabit Ethernet switch. This AP can be deployed to provide all of the wired and wireless connectivity and security for your remote office.

802.11n | 2.4 or 5 GHz Radio | 2 Internal Antennas

2x2 MIMO | Up to 300 Mbps

SPECIFICATIONS

	FORTIAP 28C
Hardware	
Hardware Type	Remote (Indoor)
Number of Radios	1
Number of Antennas	2 internal
Peak Antenna Gain	3 dBi for 2.4 GHz, 4 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, 5 GHz a/n
Frequency of Radio 2	–
Throughput	Up to 300 Mbps
Tx/Rx Streams	2x2 MIMO 2 spatial stream
Ethernet Ports	10x GE RJ45 ports (2x GE WAN ports, 8x GE LAN ports)
USB Port	2x Type A, 1x Type B
Serial Console Port	–
Power over Ethernet (PoE)	–
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	8 (7 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	17 dBm (50 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
802.11n 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
Advanced 802.11n to enhance rate-over-range including:	Low-density parity check (LDPC) encoding
	Maximum likelihood demodulation (MLD)
	Transmit beamforming (TxBF)
	Maximum Ratio Combining (MRC) for improved receiver

	FORTIAP 28C
Mounting Options	Desktop, Wall
Included Accessories	AC power adapter 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	–
Full-time scan as dedicated monitor	Yes
Dimensions	
Length x Width x Height	7.09 x 8.43 x 1.38 inches (18 x 21.4 x 3.5 cm)
Weight	1.1 lbs (0.5 kg)
Package (shipping) Weight	3.2 lbs (1.47 kg)
Environment	
Power Supply	Adapter Input: 100–240V AC, 50–60 Hz
Power Consumption (Average)	14 W
Power Consumption (Maximum)	15 W
Humidity	20–90% non-condensing
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-13–158°F (-25–70°C)
Directives	Low Voltage Directive • RoHS
Warranty	
Limited Lifetime Warranty	Yes

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

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℉ (0–40℃)
Storage Temperature	-4–140℉ (-20–60℃)
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

| 802.11 a/g | FORTIAP 210B RADIO 1 | | | |
| | 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
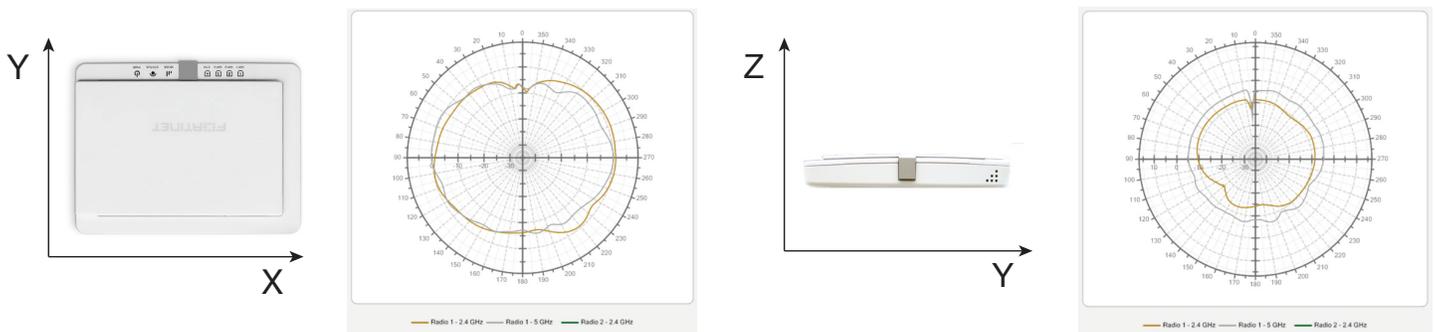
HIGHLIGHTS

FortiAP 221B

Fortinet's FortiAP-221B wireless thin access point delivers secure, identity-driven WiFi client access that creates a fortified WLAN network. It is designed for non-mission critical applications in low density indoor environments like small branch offices.

802.11n | 2.4/5 and 2.4 GHz Radios | 4 Internal Antennas

2x2 MIMO | Up to 300 + 300 Mbps

SPECIFICATIONS

	FORTIAP 221B
Hardware	
Indoor/Outdoor Deployment	Indoor
Number of Radios	2
Number of Antennas	4 internal
Peak Antenna Gain	3 dBi for 2.4 GHz, 4 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 or 5 GHz a/n
Frequency of Radio 2	2.4 GHz IEEE b/g/n
Tx/Rx Streams (802.11n mode)	2x2 MIMO dual spatial stream – 300 Mbps/Radio
Ethernet Port	1x 10/100/1000
Serial Console Port	None
Power over Ethernet (PoE)	IEEE 802.3af (15.4W)
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
Simultaneous SSIDs	16 (14 for client access, 2 for monitoring)
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	17dBm (50mW)
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
802.11n Features	20Mhz and 40Mhz High-Throughput (HT) Support
	Increased maximum frame transmission by incorporating A-MPDU and A-MSDU Packet Aggregation
	Conserve power via Dynamic MIMO power save
Advanced 802.11n to enhance rate-over-range including	Low-density parity check (LDPC) encoding
	Maximum likelihood demodulation (MLD)
	Transmit beamforming (TxBF)
	Maximum Ratio Combining (MRC) for improved receiver performance
Wireless Monitoring Capabilities	
Frequencies scanned	2.4 GHz and 5 GHz
Background scan with client access on 2.4 and 5 GHz	Supported

	FORTIAP 221B
Full-time scan as dedicated Monitor	Supported
Full-time scan with client access on 2.4 GHz	Supported
Target Application	Simultaneous AP and dedicated air monitor or concurrent 2.4 GHz and 5 GHz AP with background scan.
Dimensions	
Diameter x Height	6.5 x 1.2 inches (16.51 x 4 cm)
Weight	10.3 oz (300 g)
Package (shipping) Weight	19.5 oz (550 g)
Mounting Options	Drywall Mount anchors, T-Rail Mount and Ceiling mount are included in package
Environment	
Power Adapter **	Adapter Input: 100-240V, 50/60Hz, 0.4A Output: 12V DC, 1.25A – center positive
Power Consumption (Average / Maximum)	6.78 / 11.76 W
Humidity	10–90% non condensing
Operating Temperature	32–104℉ (0–40℃)
Storage Temperature	-4–158℉ (-20–70℃)
Directives	Low Voltage Directive • RoHS2
Certifications	
WiFi Alliance Certified	Yes

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)

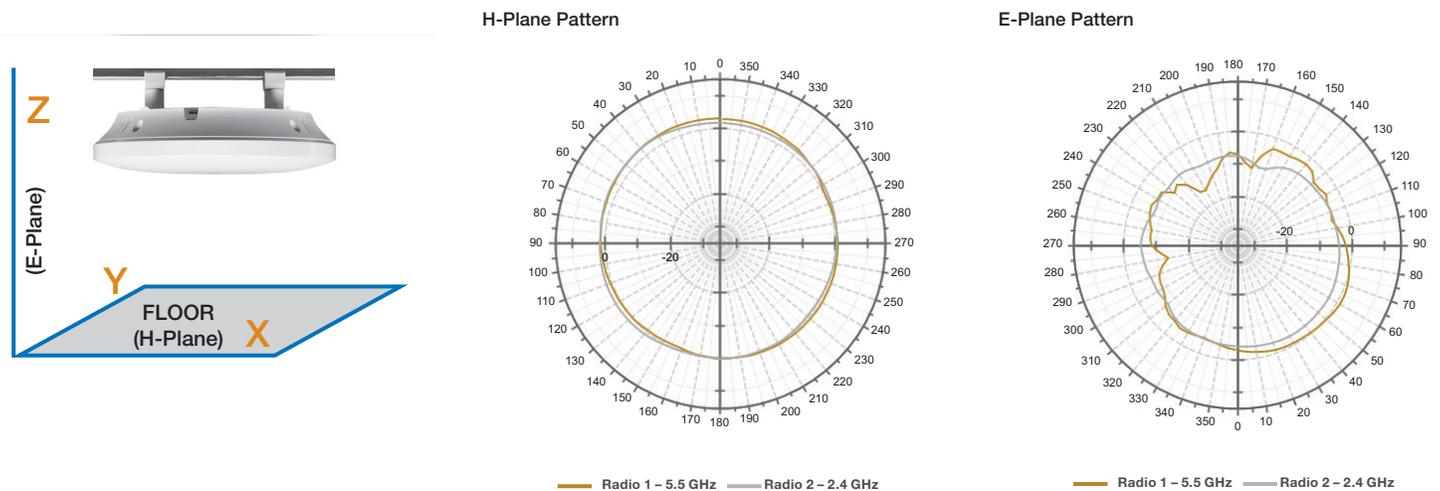 * Frequency selection may be restricted to abide by regional regulatory compliance laws.

** Sold separately. See price list.

RF RX/TX PERFORMANCE TABLE

	FORTIAP 221B RADIO 1			RADIO 2	
802.11 a/g	2.4 GHz Rx Sensitivity	5 GHz Tx Power (dBm)	Rx Sensitivity	2.4 GHz Tx Power (dBm)	Rx Sensitivity
6 Mbps	-96	20	-94	20	-88
9 Mbps	-93	19	-92	20	-88
12 Mbps	-90	19	-90	20	-86
18 Mbps	-87	19	-83	20	-84
24 Mbps	-85	19	-80	20	-80
36 Mbps	-82	18	-77	19	-77
48 Mbps	-78	18	-76	19	-74
54 Mbps	-77	17	-73	18	-72
802.11n HT20					
MCS0	-91	20	-92	20	-92
MCS1	-91	19	-90	20	-90
MCS2	-88	19	-87	20	-87
MCS3	-85	19	-85	20	-85
MCS4	-83	19	-82	20	-82
MCS5	-80	18	-79	19	-78
MCS6	-78	18	-76	19	-77
MCS7	-76	17	-74	18	-74
802.11n HT40					
MCS0 /8	-91	20	-91	20	-92
MCS1 /9	-90	19	-88	20	-89
MCS2 /10	-87	19	-85	20	-86
MCS3 /11	-82	19	-82	20	-83
MCS4 /12	-70	19	-79	20	-80
MCS5 /13	-76	18	-76	19	-77
MCS6 14	-74	18	-74	19	-74
MCS7 /15	-71	17	-72	18	-71

ANTENNA RADIATION PATTERNS

FAP-221B

H-Plane Pattern

E-Plane Pattern

Radio 1 – 5.5 GHz   Radio 2 – 2.4 GHz

Radio 1 – 5.5 GHz   Radio 2 – 2.4 GHz

PERFORMANCE MATRIX

802.11ac PERFORMANCE — DATA RATES (Mbps)							
Descriptor	Data Streams	VHT20		VHT40		VHT80	
		Normal GI	Short GI	Normal GI	Short GI	Normal GI	Short GI
MCS 0	1	6.5	7.2	13.5	15	29.3	32.5
MCS 1	1	13	14.4	27	30	58.5	65.0
MCS 2	1	19.5	21.7	40.5	45	87.8	97.5
MCS 3	1	26	28.9	54	60	117.0	130.0
MCS 4	1	39	43.3	81	90	175.5	195.0
MCS 5	1	52	57.8	108	120	234.0	260.0
MCS 6	1	58.5	65	121.5	135	263.3	292.5
MCS 7	1	65	72.2	135	150	292.5	325.0
MCS 8	1	78.0	86.7	162.0	180.0	351.0	390.0
MCS 9	1	NA	NA	180.0	200.0	390.0	433.3
MCS 0	2	13	14.4	27	30	58.5	65.0
MCS 1	2	26	28.9	54	60	117.0	130.0
MCS 2	2	39	43.3	81	90	175.5	195.0
MCS 3	2	52	57.8	108	120	234.0	260.0
MCS 4	2	78	86.7	162	180	351.0	390.0
MCS 5	2	104	115.6	216	240	468.0	520.0
MCS 6	2	117	130	243	270	526.5	585.0
MCS 7	2	130	144.4	270	300	585.0	650.0
MCS 8	2	156.0	173.3	324.0	360.0	702.0	780.0
MCS 9	2	NA	NA	360.0	400.0	780.0	866.7
MCS 0	3	19.5	21.7	40.5	45	87.8	97.5
MCS 1	3	39	43.3	81	90	175.5	195.0
MCS 2	3	58.5	65	121.5	135	263.3	292.5
MCS 3	3	78	86.7	162	180	351.0	390.0
MCS 4	3	117	130	243	270	526.5	585.0
MCS 5	3	156	173.3	324	360	702.0	780.0
MCS 6	3	175.5	195	364.5	405	NA	NA
MCS 7	3	195	216.7	405	450	877.5	975.0
MCS 8	3	234.0	260.0	486.0	540.0	1053.0	1170.0
MCS 9	3	260.0	288.9	540.0	600.0	1170.0	1300.0
MCS 0	4	26	28.9	54	60	117	130
MCS 1	4	52	57.8	108	120	234	260
MCS 2	4	78	86.7	162	180	351	390
MCS 3	4	104	115.6	216	240	468	520
MCS 4	4	156	173.3	324	360	702	780
MCS 5	4	208	231.1	432	480	936	1040
MCS 6	4	234	260	486	540	1053	1170
MCS 7	4	260	288.9	540	600	1170	1300
MCS 8	4	312	346.7	648	720	1404	1560
MCS 9	4	NA	NA	720	800	1560	1733.3

PERFORMANCE MATRIX

802.11n PERFORMANCE — DATA RATES (Mbps)					
Descriptor	Spatial Streams	HT20		HT40	
		Normal GI	Short GI	Normal GI	Short GI
MCS 0	1	6.5	7.2	13.5	15
MCS 1	1	13	14.4	27	30
MCS 2	1	19.5	21.7	40.5	45
MCS 3	1	26	28.9	54	60
MCS 4	1	39	43.3	81	90
MCS 5	1	52	57.8	108	120
MCS 6	1	58.5	65	121.5	135
MCS 7	1	65	72.2	135	150
MCS8	2	13	14.4	27	30
MCS9	2	26	28.9	54	60
MCS10	2	39	43.3	81	90
MCS11	2	52	57.8	108	120
MCS12	2	78	86.7	162	180
MCS13	2	104	115.6	216	240
MCS14	2	117	130	243	270
MCS15	2	130	144.4	270	300
MCS16	3	19.5	21.7	40.5	45
MCS17	3	39	43.3	81	90
MCS18	3	58.5	65	121.5	135
MCS19	3	78	86.7	162	180
MCS20	3	117	130	243	270
MCS21	3	156	173.3	324	360
MCS22	3	175.5	195	364.5	405
MCS23	3	195	216.7	405	450

ORDER INFORMATION

Product	SKU	Description
FortiAP-24D	FAP-24D	Indoor wireless AP — 1x GE RJ45 WAN port, 4x FE RJ45 LAN ports, single radio (802.11 a/b/g/n, 2x2 MIMO), Integrated wall mount, Power adapter not included. For Gigabit PoE injector order: GPI-115. For AC power adapter order: SP-FG20C-PA.
	FC-10-P0024-311-02-DD	8x5 Enhanced FortiCare
	FC-10-P0024-247-02-DD	24x7 Comprehensive FortiCare
	SP-FG20C-PA	AC Power Adaper for FAP-24D
Gigabit PoE Injector	GPI-115	1-Port Gigabit PoE Power Injector, 802.3af 15.4 Watts 10/100/1000.
FortiAP 112D	FAP-112D	Outdoor/Indoor wireless AP — 2x FE RJ45 ports with PoE+ PD pass-through, single radio (802.11 a/b/g/n, 1x1 MIMO), Integrated wall mount, Proprietary PoE+ injector with AC power adapter included.
	FC-10-P0113-311-02-DD	8x5 Enhanced FortiCare
	FC-10-P0113-247-02-DD	24x7 Comprehensive FortiCare
	SP-FAP222B-PA	Proprietary PoE injector with AC power adapter for FortiAP 112D
FortiAP 224D	FAP-224D	Outdoor wireless AP — 1x GE RJ45 port, dual radio (802.11 b/g/n and 802.11 a/n, 2x2 MIMO), IP66 rated, external antennas, pole/wall mount kit included, 802.3af PoE injector with AC power adapter included.
	FC-10-P0227-311-02-DD	8x5 Enhanced FortiCare
	FC-10-P0227-247-02-DD	24x7 Comprehensive FortiCare
	SP-FAP221B-PA	AC Power Adapter for FAP-224D
FortiAP 11C	FAP-11C	Remote wireless AP — 2x GE RJ45 ports (including 1x WAN port, 1x LAN port), single radio (802.11 b/g/n, 1x1 MIMO), Mounting kit not applicable, Integrated AC power adapter with international plugs.
	FC-10-P0011-311-02-DD	8x5 FortiCare Contract
	FC-10-P0011-247-02-DD	24x7 FortiCare Contract
	SP-ADAPTORPLUG-FAP11C	FAP-11C replacement power adapter plug package for Australia, China, EU, UK, US.
FortiAP 14C	FAP-14C	Remote wireless AP — 5x FE RJ45 ports (including 1x WAN port, 4x LAN ports), single radio (802.11 b/g/n, 1x1 MIMO), Integrated wall mount, AC power adapter included.
	FC-10-P0014-311-02-DD	8x5 FortiCare Contract
	FC-10-P0014-247-02-DD	24x7 FortiCare Contract
	SP-FAP14C-PA	AC Power Adapter for FAP-14C
FortiAP 21D	FAP-21D	Remote wireless AP — 2x FE RJ45 ports (including 1x WAN port, 1x LAN port), 1x USB-A port, single radio (802.11 b/g/n, 2x2 MIMO), Mounting kit not applicable, AC power adapter included.
	FC-10-P0021-311-02-DD	8x5 Enhanced FortiCare
	FC-10-P0021-247-02-DD	24x7 Comprehensive FortiCare
FortiAP 25D	FAP-25D	Remote wireless AP — 1x GE RJ45 WAN port, 4x FE RJ45 LAN ports, single radio (802.11 a/b/g/n, 2x2 MIMO), Integrated wall mount magnet and anchoring recesses, AC power adapter included.
	FC-10-P0025-311-02-DD	8x5 Enhanced FortiCare
	FC-10-P0025-247-02-DD	24x7 Comprehensive FortiCare
FortiAP 28C	FAP-28C	Remote wireless AP — 10x FE RJ45 ports (including 2x WAN ports, 8x LAN ports), single radio (802.11 a/b/g/n, 2x2 MIMO), Integrated wall mount, AC power adapter included.
	FC-10-P0028-311-02-DD	8x5 FortiCare Contract
	FC-10-P0028-247-02-DD	24x7 FortiCare Contract
	SP-FG20C-PA	AC Power Adapter for FAP-28C
FortiAP 210B	FAP-210B	Indoor wireless AP — 1x GE RJ45 port, single radio (802.11 a/b/g/n, 2x2 MIMO), Integrated wall mount, ceiling mount kit not included, AC power adapter included. For Gigabit PoE injector order: GPI-115. For ceiling mount kit order: FAP-200-MNT-1.
	FC-10-P0210-311-02-DD	8x5 FortiCare Contract.
	FC-10-P0210-247-02-DD	24x7 FortiCare Contract.
	FAP-200-MNT-1	FAP-200-MNT-1 Ceiling Tile Rail Mount Kit for 15/16" and 9/16" drop ceiling rails with cable conceal cover. For use with FAP-220A, FAP-220B, FAP-210B.
	SP-FAP220B-PA	AC Power Adapter for FAP-210A, FAP-210B and FAP-220B.
FortiAP 221B	FAP-221B	Indoor wireless AP — 1x GE RJ45 port, dual radio (802.11 a/b/g/n and 802.11 b/g/n, 2x2 MIMO), Ceiling/wall mount kit included, Power adapter not included. For Gigabit PoE injector order: GPI-115. For AC power adapter order: SP-FAP221B-PA.
	FC-10-P0223-311-02-DD	8x5 FortiCare Contract.
	FC-10-P0223-247-02-DD	24x7 FortiCare Contract.
	SP-FAP221B-PA	AC Power Adapter for FAP-221B and FAP-223B.
FortiAP-FPL	FAP-FPL-PRO	FortiPlanner Wireless AP Deployment Planning Utility — Pro upgrade license unlocks FortiPlanner Lite (free version) to support more than 50 Access Points and includes site survey tool. Requires Windows 7.

ORDER INFORMATION

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

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