



FortiAP™-220A

Secure wireless LAN access for the enterprise

Fortified Wireless Space

Fortinet delivers comprehensive, proven threat management for wireless and wired networks. Our new thin access points in conjunction with a rich family of controllers provide high-performance network access and content security. Purpose-built for today's demanding networking environments, the FortiAP-220A builds on Fortinet's years of experience in delivering safe, secure wired and wireless access.

You get the flexibility you want to deploy the right layers of security to match your environment. You can choose from the widest range of networking and security technologies available, including layer 7 application control prioritization, data loss prevention, and network access control.

The wireless controller integrated into every FortiGate platform (above model 50) centralizes the management and monitoring of all FortiAP units. All wireless traffic is directed to the FortiGate multi-threat security platform and undergoes identity-aware firewall policies and UTM engine inspection and only authorized wireless traffic is forwarded. From a single console you can control network access, update policies quickly and easily, and monitor compliance.

Purpose-built hardware and software ensure that your network security does not become your network bottleneck. The FortiAP-220A delivers the performance and versatility you need to provide unmatched throughput with a minimum of access points. The Fortinet solution of FortiGate controllers and FortiAP access points delivers industry-leading security, performance, and scalability. Fortinet platforms lower your costs of ownership with simple per-device pricing and a common management platform.

FortiAP and FortiGate Wireless Controllers Deliver a Powerhouse Security Solution

- Policy compliance: Rogue AP detection and reporting, granular endpoint control, audit-ready reports, specific measurable analysis
- Lower TCO: Flexible deployment options and ability to leverage existing FortiGate deployment lowers TCO by minimizing need to reconfigure network controllers, or learn new applications
- Capacity: FortiGate controllers deliver significantly higher scalability than the competition

DATASHEET



The FortiGate Multi-Threat System with Wireless Controller

The FortiGate product family provides cost-effective, comprehensive protection against network, content, and application-level threats—and has complete, integrated wireless controller functionality. It defends your environment from complex, sophisticated attacks without degrading network availability and affecting application performance.

FortiGate platforms combine the purpose-built FortiOS™ security operating system with custom FortiASIC processors and other hardware to provide a comprehensive and high-performance array of security and networking functions.

The FortiGate product family delivers the highest level of network, content, and application security for enterprises of all sizes, while reducing total cost of ownership. With Fortinet, you deploy the network security you need to protect your intellectual property, preserve the privacy of critical customer information, and maintain regulatory compliance.

Multi-Threat Security at the Network Edge

Next-generation firewall, antimalware, antispam, and intrusion prevention capabilities of the FortiGate UTM appliance protect wireless traffic by removing threats and enforcing policies for complete multi-threat security.

High Throughput and Resiliency

High performance, low-cost APs allow ubiquitous coverage with high throughput even in densely populated areas. Extended range allows for more wireless coverage with lower number of APs.

802.11n Support

FortiAP devices incorporate the latest 2x2 Multiple-In/Multiple-Out (MIMO) chip technology that support the fastest performance IEEE 802.11n and longer range. The FortiAP solution provides simultaneous a/b/g/n supported for backward compatibility.

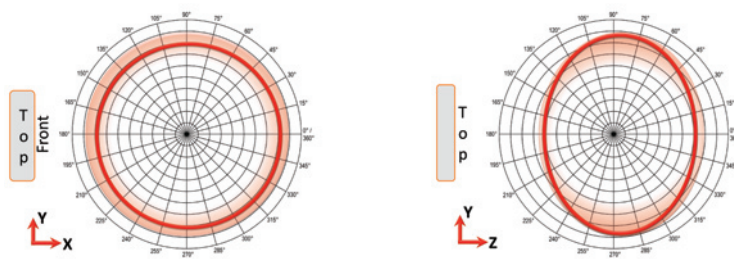
One Access Point, Many Uses

Software reconfiguration allows one radio to be dedicated to wireless air monitoring while the other provides full AP functionality to client. Software license allows simultaneous mesh backhaul and remote AP functionality.

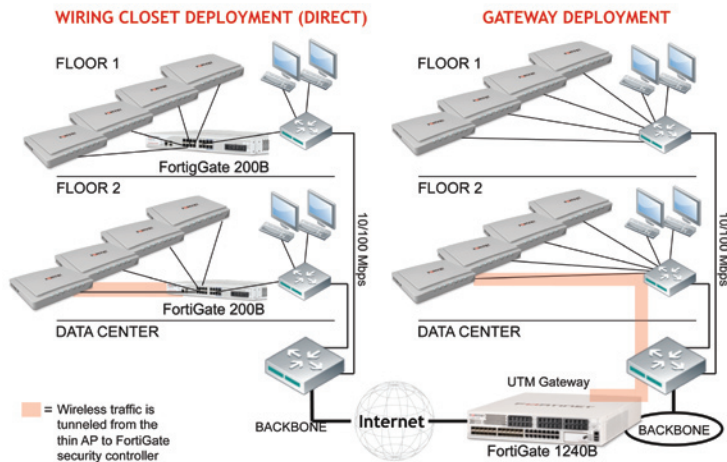
Technical Specifications		FortiAP-220A
Hardware Specifications		
Indoor/Outdoor Deployment	Indoor	
Number of Radios	2	
Number of Antennas	4 internal	
Frequency of Radio 1	2.4 GHz b/g/n	
Frequency of Radio 2	5 GHz a/n	
Tx Streams	Dual	
Ethernet Port	5 x 10/100	
Console Port	1	
Power over Ethernet (PoE)	N/A	
Physical Security	N/A	
Dimensions		
Height	Height 1.1 in (2.7 cm), Width 6.4 in (16.3 cm), Length 5.1 in (12.9 cm)	
Weight	11.3 oz (320 g)	
Mount	Wall or Desktop	
Environment		
Power Required	Adaptor Input 100-240V 50/60Hz 0.6A Output: 12V DC 1.5A -center positive	
Humidity	10% to 90% non condensing • storage humidity: 5%-90% non condensing	
Operating Temperature	32 – 122 deg F (0 – 50 deg C)	
Storage Temperature	-4 to 158 deg F (-25 to 70 deg C)	
Compliance		
	FCC 15 B parts 15.107 and 15.109 • FCC 15 C parts 15.247 and 15.207 and 15.203 • FCC 15 E parts 15.407 and 15.207 and 15.203) • CE Standard • EN300 328 • EN301 893 • EN301 489-1 • EN301 489-17 • EN55022 • EN55024 • Low Voltage Directive • RoHS	

FortiAP Wireless Features	
Operating Mode	Concurrent 802.11a/n + b/g/n access point or 802.11a/b/g/n air monitor
Physical Rate / Association Rate (Mbps)	802.11b: 1, 2, 5.5, 11 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 802.11n: MCS0 - MCS15 / 6.5 - 300
Tx / Rx per Radio – Multiple-In/Multiple-Out (MIMO)	2x2 with 2 spatial streams
Frequency Bands	- 2.400 - 2.4835 GHz - 5.150 - 5.250 GHz - 5.250 - 5.350 GHz - 5.470 - 5.725 GHz - 5.725 - 5.850 GHz
802.11n Packet Aggregation: A-MPDU, A-MSDU	Yes
Maximum Ratio Combining (MRC) for improved receiver performance	Yes
802.11n High-Throughput (HT) Support: HT 20/40	Yes

Top and Front Antenna Patterns



Wiring Closet and Gateway Deployment options



FortiGuard® Security Subscription Services deliver dynamic, automated updates for Fortinet products. The Fortinet Global Security Research Team creates these updates to ensure up-to-date protection against sophisticated threats. Subscriptions include antivirus, intrusion prevention, web filtering, antispam, vulnerability and compliance management, application control, and database security services.

FortiCare™ Support Services provide global support for all Fortinet products and services. FortiCare support enables your Fortinet products to perform optimally. Support plans start with 8x5 Enhanced Support with “return and replace” hardware replacement or 24x7 Comprehensive Support with advanced replacement. Options include Premium Support, Premium RMA, and Professional Services. All hardware products include a 1-year limited hardware warranty and 90-day limited software warranty.

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