

## FortiAP™ -11C Remote Access Point

### The Need for a Fortified Wireless LAN

Enterprises are looking to increase productivity through uninterrupted access to applications and resources, without compromising security and agility. You want to increase visibility and control of your wireless network traffic by enforcing the same policies as your wired network and eliminate potential blind spots. You also need a solution that helps you meet compliance by proactively blocking unauthorized access all while providing tools for business continuity by following industry best practices.

### Integrated Wireless Security and Access Solution

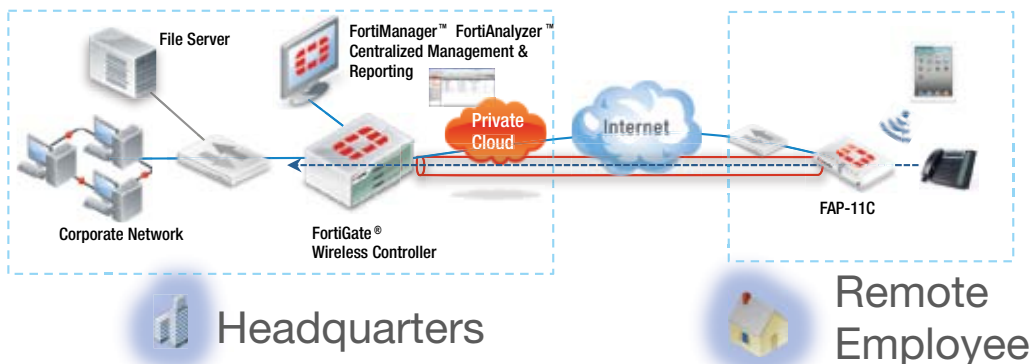
Fortinet's FortiAP-11C wireless thin access point delivers secure, identity-driven WiFi client access that creates a fortified WLAN network. Centrally managed by a FortiGate® or FortiWiFi™ platform with its integrated wireless controller, FortiAPs allow you to deploy a comprehensive, integrated security solution for your wireless and wired networks. By acting as a wireless controller, FortiGate or FortiWiFi security platforms enable you to deploy comprehensive unified threat management (UTM) protection over your wireless network.

### Plug-and-Play Access Point

The FortiAP-11C is a small plug-and-play access point suitable for travel or remote access. The remote access point function automatically discovers the FortiGate wireless controller in the enterprise private cloud, download its configuration and offer the same SSID used in corporate environments, so remote employees can gain secure encrypted access to enterprise resources over the Internet. This feature saves IT administrators time and reduces helpdesk calls.

This access point has an integrated power plug for easy storage and installation. It uses standards-based IEEE 802.11b/g/n to provide access to laptops and tablet devices. It also provides two Ethernet ports (LAN and WAN) to allow devices such as Voice over IP telephones to easily connect to the corporate network, enabling an instant office environment for the distributed workforce.

### Remote AP discovers private cloud wifi controller and securely tunnels all traffic



DATASHEET



### High Performance Secure Thin Access Points

- Leverage existing FortiGate or FortiWiFi platforms as controllers for low TCO
- Full range of authentications and access for all use cases
- Integration with FortiManager and FortiAnalyzer for unified control and reporting
- Fast Roaming for uninterrupted data access
- Automatic Radio Resource Provisioning (ARRP) for optimized throughput
- Flexible deployment options with simple per device pricing
- Layer 7 application QoS for maximum business productivity
- Rogue AP control for PCI DSS compliance



Differentiating Feature	Benefit
Enterprise Unified Threat Management	Protects your network with the widest range of security and networking technologies seamlessly integrated into a single device: Firewall, IPS, Application Control, VPN, Web Filtering, and many others.
Application-Layer Quality of Service	Going above and beyond Wireless Multimedia Extensions (WME) by offering layer 7 traffic shaping and application use control.
'Single Pane of Glass' Management Console	Unmatched visibility and control of all wired and wireless network traffic that eliminates blindspots in your security infrastructure and ensures consistent and effective policy enforcement and compliance.
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-11C
Hardware Specifications	
Indoor/Outdoor Deployment	Indoor
Number of Radios	1
Number of Antennas	4 internal
Peak Antenna Gain	3dBi for 2.4Ghz, 4dBi for 5Ghz
Frequency Bands (GHz)*	2.400 - 2.4835
Frequency of Radio 1	2.4GHz IEEE b/g/n
Tx/Rx Streams (802.11n mode)	1x1 MIMO with 1 spatial stream 65 Mbps association rate
Ethernet Port	2 x 10/100/1000
Serial Console Port	No
USB Port	1 type A, 1 type B
Power over Ethernet (PoE)	N/A
WME Multimedia Extensions	Yes (4 priority queues for voice, video, data and background traffic)
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
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) *
Mean Time Between Failures	
IEEE Specifications	802.11b, 802.11e, 802.11g, 802.11h, 802.11i, 802.11j, 802.11n, 802.1X, 802.3af
Dimensions	
Length x Width x Height	4.3 in (11 cm) x 3.5 in (8.9 cm) x 1.5 in (3.4 cm)
Access Point Weight	7.8 oz (222 g)
Package (shipping) Weight	22.5 oz (638 g)
Mounting Options	Wall plug
Environment	
Power Adapter	Integrated
Humidity	10% to 90% non condensing
Operating Temperature	-4 – 140 °F (-20 – 60 °C)
Storage Temperature	-4 – 158 °F (-20 – 70 °C)
Target Application	Remote access point for Road warriors and off-site employees
Directives	Low Voltage Directive • RoHS

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

RF RX/TX Performance Table		
	Radio 1	
	5GHz	
802.11 b	Tx Power (dBm)	Rx Sensitivity
1 Mbps	17	-86
11 Mbps	16	-83
802.11 g		
6 Mbps	16	-85
9 Mbps	16	-83
12 Mbps	16	-81
18 Mbps	16	-79
24 Mbps	16	-77
36 Mbps	15	-73
48 Mbps	14	-71
54 Mbps	13	-69
802.11 n HT20		
MCS 0	15	-83
MCS 1	14	-80
MCS 2	14	-77
MCS 3	14	-74
MCS 4	14	-72
MCS 5	13	-70
MCS 6	12	-68
MCS 7	12	-66

Declaration of Conformity	
Organization	Compliance Identifier
CB	IEC 60950-1:2005
UL	UL 60950-1, CSA C22.2 No. 60950-1-07
FCC	FCC Part 15, Class B and Subpart C & E ICES-003
CE	RR&TTE Directive 1999/5/EC EN 300 328 /EN 301 489/ EN 301 893 EN 50385
	EU Directive 2004/108/EC EMC EU Directive 2006/95/EC LVD EN 55022/ EN 55024/EN 61000
IC	Canada RSS-210 Issue 7 Canada RSS-Gen Issue 2
	RSS102, Issue 4

Ordering Information		
Product	SKU	Description
FortiAP-11C	FAP-11C	Single radio Controller-based Remote AP - Supports 802.11 b/g/n
	FC-10-P0223-311-02-DD	8x5 Enhanced FortiCare.
	FC-10-P0223-247-02-DD	24x7 Comprehensive FortiCare.
FortiPlanner	N/A	Access point deployment planning software. Visit <a href="http://wireless.fortinet.com/">http://wireless.fortinet.com/</a> for download and further information.
	FAP-FPL-PRO	Unlimited AP placement.

Region/Country SKU Suffix*									
Americas-FCC	China	Europe ETSI	International	Japan	Korea	Non-FFCA	Singapore	Taiwan	World 2.4G
-A	-C	-E	-I	-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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