



# FortiGate/FortiWiFi®-20C

## The Power of Unified Threat Management

FortiGate-20C and FortiWiFi-20C consolidated security appliances integrate comprehensive security functions into a single device to protect small locations against today's network, content, and application-level threats. They are designed for organizations seeking to extend secure network access to remote workers, retail outlets, and small branch offices. The FortiGate-20C and FortiWiFi-20C combine enterprise-grade performance and protection into a small form factor at an entry-level price. In addition, they offer an ideal solution for Service Providers seeking to deliver highly differentiated security services via customer premise equipment (CPE).

### The Power of Unified Threat Management

The FortiGate-20C and FortiWiFi-20C appliances give you the ability to deploy a wide range of Fortinet's UTM inspection capabilities, including firewall, IPS, application control, VPN, and web filtering all at a single low price. They combine the purpose-built FortiOS™ 4.0 operating system with the Fortinet System-on-a-Chip purpose-built processor, delivering unmatched price and performance advantages.

Each appliance also supports FortiGuard® security subscription services to deliver dynamic, automated updates and ensure up-to-date protection against sophisticated threats. In addition, the devices support a web-based GUI, 'single pane of glass' management console, and on-board reporting.

By consolidating multiple security enforcement technologies into a single appliance, the FortiGate-20C and FortiWiFi-20C eliminate disparate hardware devices and software solutions, greatly simplifying secure remote access and reducing total cost of ownership. They ensure that only authorized endpoints access corporate resources and provide granular control of applications. For example, security administrators can easily set up policies to allow the usage of social media web sites while restricting access to chat and download features.

### FortiGate Consolidated Security Solutions

Fortinet's consolidated security solutions provide an integrated set of core security and network services in a single, easy-to-manage, high-performance appliance that is capable of supporting a wide range of deployment scenarios. The FortiWiFi-20C adds a built-in wireless access point to the multi-threat protection of FortiGate appliances. With the FortiWiFi-20C, your security and wireless needs can be met in one device. This combination allows you to reduce costs and simplify deployment as it eliminates the need for a separate wireless access point.



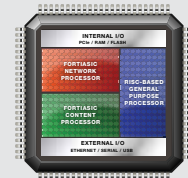
DATASHEET

### FortiOS 4.3: Redefining Network Security

FortiOS 4.3 is the software foundation of FortiGate multi-threat security platforms. Developed solely for security, performance and reliability, it is a purpose-built operating system that leverages the power of the FortiASIC content and network processors. FortiOS software enables a comprehensive suite of security services: Firewall, VPN, intrusion prevention, application control, antivirus, antispam, web filtering, data loss prevention, and end point network access control.

### The Fortinet System-on-a-Chip

The FortiGate-20C and FortiWiFi-20C series utilize the Fortinet System-on-a-chip (SoC). Integrating FortiASIC acceleration logic together with a RISC-based main processor and other system components, the SoC simplifies appliance design and enables breakthrough performance for smaller networks. The FS1 and resulting FortiGate/FortiWiFi-20C series appliances allow large distributed enterprises to provide integrated, multi-threat protection across all points on their network without sacrificing performance.



Feature	Benefit
Unified Security Architecture	Multi-threat protection from a single device increases security and lowers costs.
Simple Licensing	Hassle-free unlimited user licensing and comprehensive feature set increases ease of deployment and maintenance.
Multi-Port Wired / Wireless Interfaces	Multiple network interfaces and optional wireless connectivity enable flexible deployment and improve protection with multiple security zones.
Desktop Form-Factor	Compact, lightweight and designed for small environments.



**Fully integrated security device**

Meets your security needs and reduces complexity of management and number of devices while providing single pane of glass management.

**Internet Safe Browsing powered by FortiGuard™**

Filters sites for safe surfing, removes complex application threats from sites such as Facebook, and provides Anti-Spam and Anti-virus.

Can ensure minors can't reach offensive websites through their devices such as PSP and Xbox web browser.

**Fast and Reliable Wi-Fi Coverage**

FortiWiFi-20C sports built-in Dual-Band dual-stream access point with internal antennas. Provides speedy 802.11n coverage on both 2.4 GHz and 5GHz bands.

This Dual-band chipset addresses the PCI-DSS compliance requirement for rogue AP wireless scanning.

Hotspot and Guest access features included.



**Mobile device protection**

FortiGate uses network based scanning to remove threats, so even your tablets are secure without the need for antivirus software.

**Speed up your PC and save money**

Secures traffic on your network for even greater protection from attack.

**Benefit from full ICSA certified UTM components**

Rest assured that you've chosen the best in class firewall and security appliance with multiple ICSA certifications.





### Site to Site IPsec VPN

Securely connect your offices using the built-in IPsec acceleration engine.

### 2-Factor Authentication

Supports FortiToken two-factor authentication to ensure proper user identification.



### Remote VPN

Securely access your office and home files and protect your PC using the FortiClient VPN client available for Mac OS® and Microsoft® Windows®.

### 3G/4G Internet connectivity thru integrated USB port

Acts as primary or backup connection with traffic load-balancing and automatic failover.



### Centralized Management

FortiManager centralized provisioning, configuration and update management extends to FortiGate wireless devices.

### Centralized Reporting

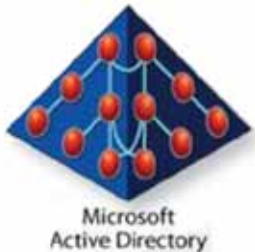
FortiAnalyzer aggregates logs and analyzes wireless LAN data. Also, the FortiGuard Analysis and Management Service can help you meet auditing and compliance requirements by storing logs in the cloud.



### User Authentication

Further secure your network by providing each person their own user name and password.

Use the built-in directory, Windows Active Directory, LDAP or Radius.



### Quick setup with FortiExplorer

Using a simple USB connection, answer a few questions and set up your FortiGate in just a few minutes.



### No additional licenses needed

When you buy a FortiGate, you get all the features at once. No hidden costs and no need to purchase activation codes.

Technical Specifications	FortiGate-20C	FortiWiFi-20C
<b>HARDWARE SPECIFICATIONS</b>		
LAN 10/100/1000 Interfaces (Switched)		4
WAN 10/100/1000 Interface		1
Wireless Interface	N/A	802.11 a/b/g/n
USB (Client/Server)		1/1
Internal Storage		2 GB
<b>SYSTEM PERFORMANCE</b>		
Firewall Throughput (1518 / 512 / 64 byte UDP packets)		20 / 20 / 20 Mbps
Firewall Latency (64 byte UDP packets)		6 µs
Firewall Throughput (Packets Per Second)		31 Kpps
Concurrent Sessions (TCP)		10,000
New Sessions/Sec (TCP)		1,000
Firewall Policies (System)		200
IPSec VPN Throughput (512 byte packets)		20 Mbps
Gateway-to-Gateway IPSec VPN Tunnels (System)		5
Client-to-Gateway IPSec VPN Tunnels		100
IPS Throughput		20 Mbps
Antivirus Throughput (Proxy Based / Flow Based)		12 / 20 Mbps
Max Number of FortiTokens		20
Unlimited User Licenses		Yes
<b>DIMENSIONS &amp; POWER</b>		
Height x Width x Length	1.4 in (35 mm) x 8.5 in (215 mm) x 7.1 in (180 mm)	
Weight	1 lb (0.5 kg)	
Wall Mountable	Yes	
AC Power	100-240 VAC, 60-50 Hz	
Heat Dissipation	49 BTU/h*	
Power Consumption (Max/Avg)	13 W* / 11W	
Redundant Power Supply	No	
<b>ENVIRONMENT</b>		
Operating temperature	32 - 104 °F (0 - 40 °C)	
Storage temperature	-13 - 158 °F (-25 - 70 °C)	
Humidity	20 to 90% non-condensing	
Compliance	FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB	
Certifications	ICSA Labs: Firewall, IPSec, IPS, Antivirus	
<b>TECHNICAL SPECIFICATIONS FOR FORTIWIFI-20C ONLY</b>		
Number of WiFi Radios	1 - 8 SSID (one reserved for Rogue AP scanning)	
Bands	2.4 and 5Ghz switchable	
Wireless Interface	802.11 a/b/g/n	
Standards	IEEE 802.11 a,b,e,g,h,i,j,n, 802.1X, TKIP, AES, WPA2, EAP	
Wireless Controller Support	No	
Antennas	2 (internal)	
Radio TX Power / RX Sensitivity	19 dBm / -91 dBm	
DDNS	Yes	
IP Address Assignment	Static, DHCP client, DHCP server, DHCP relay	
NAT Modes	1:1, 1:many, Many to many, flexible NAT with overlapping IP, PAT, transparent mode	

The FortiGate-20C and FortiWiFi-20C provide full enterprise-class UTM inspection including; firewall, intrusion prevention, antivirus/antispam, application control, web filtering, data loss prevention and antispam. Advanced configuration and routing options are limited compared to other FortiGate models. See the table below for feature comparison between models.

Feature	FortiGate-20C FortiWiFi-20C	FortiGate-40C and above
Full UTM Inspection (Firewall, IPS, Antivirus, Application Control, DLP, Antispam and Web Filtering)	•	•
Automatic Updates	•	•
Web-Based GUI	•	•
Centralized Management / Reporting	•	•
IPSec VPN	•	•
SSL Inspection		•
WAN Optimization		•
SSL VPN		•
Dynamic Routing (RIP, OSPF, BGP, and PIM)		•
Virtual Domain		•
VLAN Support		•
High Availability		•
Server Load Balancing		•
Traffic Shaping		•

All performance values are "up to" and vary depending on system configuration. Antivirus performance is measured using 44 Kbyte HTTP files. IPS performance is measured using 1 Mbyte HTTP files.

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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