



DATASHEET

# FortiGate®-800C

## Accelerated Security for Mid-Sized Enterprises and Large Branch Offices

FortiGate Unified Threat Management (UTM) systems from Fortinet® offer you the freedom to select the security solution that most closely matches your port density, performance, and bandwidth needs. With firewall performance of 20 Gbps and IPS throughput of 6 Gbps and 10-GbE interfaces in a 1U form-factor, FortiGate-800C is ideal for mid-sized enterprises and large enterprise branch offices. The FortiGate-800C platform gives you the ability to improve your security posture and accelerate your network performance while simplifying your network infrastructure.

### The Power of Unified Threat Management

Like other members of the FortiGate product family, the FortiGate-800C combines firewall, application control, IP Sec and SSL VPN, intrusion prevention, antivirus, antimalware, antispam and Web filtering into a single device. Equipped with these broad security capabilities, the FortiGate-800C can help organizations meet regulatory compliance requirements and protect against the latest targeted attacks, network vulnerabilities and malicious applications.

The FortiGate-800C supports today's advanced networks with with two (2) 10-GbE and twelve (12) 10/100/1000 interfaces that can be easily partitioned into independent security zones and custom combinations of LAN and WAN ports. Eight (8) shared copper/fiber GbE interfaces support evolving networks that may be migrating to fiber on select network segments. You can protect your network availability with two (2) pairs of bypass-enabled ports, allowing continued network operations in the event of device failure. Dual-WAN redundant connections for maximum reliability and availability are also supported by default and a dedicated DMZ port adds an extra layer of protection for Web-facing servers. The onboard USB management port provides an easy way to setup and configure the device using the FortiExplorer configuration wizard. In addition, the FortiGate-800C features 64 GB of internal storage for WAN optimization, local SQL-based reporting, or data archiving for policy compliance.

### FortiOS The World's Most Advanced Security Operating System

FortiOS provides high performance, ultra low latency multi-threat security by leveraging the hardware acceleration provided by purpose-built FortiASIC processors. This combination of custom hardware and software gives you the best security and performance possible from a single device. FortiOS allows greater traffic visibility and more consistent, granular control over users, applications and sensitive data.

### The FortiASIC Advantage

FortiASIC processors power FortiGate platforms. With exclusive hardware, the purpose built, high performance Network, Security, and Content processors use intelligent and proprietary digital engines to accelerate resource intensive security services.



Challenge	Solution
Visibility and control of new applications and content	FortiGate devices deliver complete, comprehensive application control, enabling you to block unwanted traffic and behavior.
Time-sensitive applications require extremely low latency during transit	FortiGate-800C appliance ensures that security is never a bottleneck. Up to 20 Gbps firewall performance and up to 8 Gbps IPSec VPN performance ensures optimal performance of latency-sensitive applications.
Internal network segmentation is difficult to deploy	FortiGate-800C appliance with 24 hardware-accelerated switched ports permit a wide-array of deployments.
Evolution of network infrastructure	The FortiGate-800C includes 2 10-GbE interfaces for maximum performance, as well as shared media interfaces to ease the transition from copper to fiber.
Eliminating blind spots caused by using multiple non-integrated security technologies	Fortinet combines core security technologies such as firewall, VPN, intrusion prevention, and application control into a single platform, providing an effective all-in-one solution.

## FortiGate Consolidated Security Solutions

Fortinet's consolidated security solutions provide you with an integrated set of core security and network services in a single, easy-to-manage, high-performance appliance that gives you unmatched flexibility to deploy the right mix of technology for your unique requirements. In addition, FortiGuard® Subscription Services include dynamic updates to ensure your security environment remains current and your corporate resources are protected against the latest threats.

Technical Specifications	FortiGate-800C
<b>HARDWARE</b>	
Accelerated 10-GbE SFP+ Interfaces	2
Accelerated 10/100/1000 Interfaces (RJ-45)	12
Accelerated GbE SFP or 10/100/1000 Shared Interfaces	8
Accelerated 10/100/1000 Bypass Interfaces	2 pairs
10/100/1000 Management Interface	2
Maximum Network Interfaces	26
Internal Storage	64 GB
USB Ports (Client/Server)	1 / 1
<b>SYSTEM PERFORMANCE</b>	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	20 / 20 / 20 Gbps
Firewall Latency (64 byte UDP packets)	6 µs
Firewall Throughput (Packets Per Second)	30 Mpps
Concurrent Sessions (TCP)	7 Million
New Sessions/Sec (TCP)	190,000
Firewall Policies	10,000
IPSec VPN Throughput (512 byte packets)	8 Gbps
Gateway-to-Gateway IPSec VPN Tunnels	2,000
Client-to-Gateway IPSec VPN Tunnels	50,000
SSL-VPN Throughput	1.3 Gbps
Concurrent SSL-VPN Users (Recommended Max)	10,000
IPS Throughput	6 Gbps
Antivirus Throughput (Proxy Based / Flow Based)	1.7 / 3.1 Gbps
Virtual Domains (Default / Max)	10 / 10
Max Number of FortiAPs (Total / Tunnel Mode)	1,024 / 512
Max Number of FortiTokens	1,000
Max Number of Registered FortiClients	2,000
High Availability Configurations	Active/Active, Active/Passive, Clustering
Unlimited User Licenses	Yes

Technical Specifications	FortiGate-800C
<b>DIMENSIONS AND POWER</b>	
Height	1.75 in ( 44 mm)
Width	17 in ( 432 mm)
Length	16.42 in ( 417 mm)
Weight	18.8 lb ( 8.5 kg)
Rack Mountable	Yes (Attachable Ears)
AC Power	100-240 VAC, 60-50 Hz
Power Consumption (AVG)	158 W
Power Consumption (Max)	189 W
Heat Dissipation	645 BTU/h
Redundant Power Supply (Hot-swappable)	Optional
<b>ENVIRONMENT AND CERTIFICATIONS</b>	
Operating temperature	32 - 104 °F ( 0 - 40 °C)
Storage temperature	-31 - 158 °F (-35 - 70 °C)
Humidity	20 to 90% non-condensing
Compliance	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB
Certifications	ICSA Labs: Firewall, IPSec, IPS, Antivirus, SSL VPN

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.

Ordering Info	SKU
Unit	
FortiGate-800C	FG-800C
Optional Accessories	SKU
FG-600C, FG-800C and FG-1000C AC Power Supply	SP-FG600C-PS

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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