



DATASHEET

FortiGate[®]-600C

Accelerated Security for the Mid-Enterprise and Large Branch Offices



With the continued requirement to protect against threats both new and old, you need unmatched visibility and control over all of your network traffic. FortiGate Unified Threat Management (UTM) systems from Fortinet[®] give you the ability to improve your security posture and accelerate your network performance while simplifying your network infrastructure.

The FortiGate-600C appliance delivers industry-leading performance and flexibility with hardware-accelerated essential security technologies, including firewall, VPN, intrusion prevention, application control, and web content filtering, all managed from a “single pane of glass” console. Advanced application control enables you to define and enforce policies for thousands of applications running across networks regardless of port or protocol. The FortiGate-600C also includes additional security technologies such as antivirus/antimalware, antispam, vulnerability management, and WAN optimization, giving you the ability to consolidate stand-alone devices.

The Power of Accelerated Security

The FortiGate-600C platform delivers the speed and comprehensive security your growing enterprise network needs. It integrates the purpose-built FortiASIC Network Processor to deliver security throughput at switching speeds. Another purpose-built processor, the FortiASIC Content Processor, provides additional acceleration for content inspection.

With 16 Gbps of firewall throughput and 2.5 Gbps of IPS throughput, the FortiGate-600C meets the speed requirements of mid-sized organizations and large branch offices. The FortiGate-600C provides sixteen (16) Gigabit Ethernet (GbE) RJ-45 ports, giving you the freedom to create multiple security zones for various departments, users, access methods, and even devices, to enforce network security at accelerated speeds. The appliance also provides four (4) shared RJ-45/SFP ports to give you additional deployment flexibility, and two (2) bypass-protected GbE ports ensure your network stays up in the event of device failure. In addition, the FortiGate-600C features 64 GB of internal storage for WAN optimization, local reporting, or local content archiving.

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, antivirus/antispam, web filtering, application control, data loss prevention, and end point network access control.

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 and data require extremely low-latency	FortiGate-600C appliance ensures that security is never a bottleneck. Up to 20 Gbps firewall performance and sub-10 microsecond latency ensures optimal performance.
Internal network segmentation to segregate data	22 hardware-accelerated switched ports give you maximum deployment flexibility.
Applications are expected to perform well over the WAN	The FortiGate-600C features 64 GB onboard storage for WAN Optimization.
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 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. When combined with FortiClient software, the FortiGate-600C is ideal for remote access solutions. Mid-size organizations can deploy a distributed enterprise solution by deploying the FortiGate-600C at their headquarters and smaller FortiGate devices in branch offices. 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-600C
HARDWARE SPECIFICATIONS	
10/100/1000 Accelerated Interfaces (RJ-45)	16
SFP and 10/100/1000 Shared Interface	4
10/100/1000 Bypass Interface	2
10/100/1000 Management Interface	2
Maximum Network Interfaces	24
Internal Storage	64 GB
USB (Client/Server)	1 / 1
SYSTEM PERFORMANCE	
Firewall Throughput (1518 byte UDP)	16 Gbps
Firewall Throughput (512 byte UDP)	16 Gbps
Firewall Throughput (66 byte UDP)	16 Gbps
Antivirus Throughput (Flow Based)	1.2 Gbps
Antivirus Throughput (Proxy Based)	400 Mbps
IPSec VPN Throughput (512 byte packet)	8 Gbps
IPS Throughput	2.5 Gbps
SSL-VPN Users (Recommended Max)	1,000
SSL-VPN Throughput	300 Mbps
Gateway-to-Gateway IPSec VPN Tunnels (System / VDOM)	10,000 / 5,000
Client-to-Gateway IPSec VPN Tunnels	20,000
Concurrent Sessions (TCP)	1.5 M
New Sessions/Sec (TCP)	30,000
Firewall Policies (Max)	100,000
Unlimited User Licenses	Yes
Virtual Domains (VDOMs)	10
High Availability Configurations	Active/Active, Active/Passive, Clustering

Technical Specifications	FortiGate-600C
DIMENSIONS & POWER	
Height	1.8 in (45 mm)
Width	17 in (432 mm)
Length	16.4 in (416 mm)
Weight	18.6 lb (8.5 kg)
Rack Mountable	Yes
AC Power	100-240 VAC, 60-50 Hz
Power Consumption (AVG)	115.2 W
Heat Dissipation	471 BTU/h
Power Consumption (Max)	138 W
Redundant Power Supply	Optional
ENVIRONMENT	
Operating temperature	32 - 104 °F (0 - 40 °C)
Storage temperature	-13 - 158 °F (-25 - 70 °C)
Humidity	20 to 90% non-condensing
Compliance	FCC Class A Part 15, UL/CUL, CE, C Tick, VCCI
Certifications	ICSA Labs: Firewall, SSL VPN, IPS, Antivirus

All performance values are "up to" and vary depending on system configuration. Antivirus performance is benchmarked using traffic containing 32 Kbyte HTTP objects. IPS performance measured using 44 Kbyte HTTP files (similar to NSS Labs test methodology).

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, antispyware, 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.

FORTINET®

GLOBAL HEADQUARTERS

Fortinet Incorporated
1090 Kifer Road, Sunnyvale, CA 94086 USA
Tel +1.408.235.7700
Fax +1.408.235.7737
www.fortinet.com/sales

EMEA SALES OFFICE – FRANCE

Fortinet Incorporated
120 rue Albert Caquot
06560, Sophia Antipolis, France
Tel +33.4.8987.0510
Fax +33.4.8987.0501

APAC SALES OFFICE – SINGAPORE

Fortinet Incorporated
300 Beach Road #20-01, The Concourse
Singapore 199555
Tel: +65-6513-3734
Fax: +65-6295-0015



Copyright© 2011 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, and FortiGuard®, are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance metrics contained herein were attained in internal lab tests under ideal conditions, and performance may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to the performance metrics herein. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any guarantees. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable. Certain Fortinet products are licensed under U.S. Patent No. 5,623,600.

FG-600C-DAT-R1-201109