



DATASHEET

FortiGate[®]-1000C

Accelerated, Proven Security for the Enterprise



By intercepting and inspecting network traffic at wire speeds, the FortiGate-1000C helps you identify and remove threats hidden within legitimate application traffic. With firewall performance of 20 Gbps and IPS throughput of 3.5 Gbps, the FortiGate-1000C is ideal for mid-to-large enterprise deployments. The FortiGate-1000C delivers the performance you need to control your organization's applications, data, and users without becoming a network bottleneck.

The Power of Unified Threat Management (UTM)

The FortiGate-1000C security platform delivers industry-leading performance and flexibility. You can deploy the right blend of essential hardware-accelerated security technologies now and in the future to meet your evolving network requirements. These technologies include firewall, VPN, intrusion prevention, application control, and web content filtering, all managed from a 'single pane of glass' management console. The FortiGate-1000C also includes additional security technologies such as antivirus/antimalware, antispam, vulnerability management, and WAN optimization, allowing you to consolidate stand-alone devices.

The FortiGate-1000C gives you the ability to identify and stop numerous types of threats from a single device. For example, advanced application control enables you to define and enforce policies for thousands of applications running across your network, regardless of port or protocol used. Data leakage prevention technology, using a sophisticated pattern-matching engine, helps identify and prevent the accidental or intentional transfer of sensitive information outside of network perimeters, even when applications encrypt their communications.

The high port density and types of ports of the FortiGate-1000C gives you the freedom to create multiple security zones for various departments, users, access methods, and even devices. There are eight (8) shared RJ-45/SFP Gigabit Ethernet ports for deployment flexibility, as well as two (2) bypass-protected port to preserve network availability in the event of a device failure. In addition, 128 GB of onboard flash memory lets you deploy WAN optimization to reduce bandwidth consumption across your WAN connection, enable local reporting, or archive content locally.

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, 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 require extremely low-latency during transit	FortiGate-1000C 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-1000C appliance with 24 hardware-accelerated switched ports permit a wide-array of deployments.
Applications are expected to perform well over the WAN	The FortiGate-1000C features 128 GB of 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. 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-1000C
HARDWARE SPECIFICATIONS	
10/100/1000 Accelerated Interfaces (RJ-45)	12
SFP and 10/100/1000 Shared Interface	8
10/100/1000 Bypass Interface	2
10/100/1000 Management Interface	2
SFP+ (10 Gb)	2
Maximum Network Interfaces	26
Internal Storage	128 GB
USB Ports (Client/Server)	1 / 1
SYSTEM PERFORMANCE	
Firewall Throughput (1514 byte UDP)	20 Gbps
Firewall Throughput (512 byte UDP)	20 Gbps
Firewall Throughput (66 byte UDP)	20 Gbps
IPSec VPN Throughput (512 byte packets)	8 Gbps
Antivirus Throughput (Flow-Based)	1.5 Gbps
Antivirus Throughput (Proxy-Based)	550 Mbps
IPS Throughput	3.5 Gbps
Gateway-to-Gateway IPSec VPN Tunnels (System / VDOM)	10,000 / 5,000
Client-to-Gateway IPSec VPN Tunnels	20,000
SSL-VPN Users (Recommended Max)	3,000
SSL-VPN Throughput	350 Mbps
Firewall Policies (Max)	100,000
Concurrent Sessions (TCP)	2.5 M
New Sessions/Sec (TCP)	75,000
Virtual Domains (VDOMs)	10
Unlimited User Licenses	Yes
High Availability Configurations	Active/Active, Active/Passive, Clustering

Technical Specifications	FortiGate-1000C
DIMENSIONS	
Height	3.5 in (88 mm)
Width	17 in (432 mm)
Length	16.4 in (416 mm)
Weight	24.6 lb (11.2 kg)
Rack Mountable	Yes
AC Power	100-240 VAC, 60-50 Hz
Power Consumption (AVG)	132.8 W
Heat Dissipation	566 BTU/h
Power Consumption (Max)	166 W
Redundant Power Supply	Yes
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, 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.



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



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