

# FortiGate® Multi-Threat Security

Firewall • VPN • Antivirus • Intrusion Prevention • Antispam • Web Filtering • Traffic Shaping



## MSSP AND LARGE ENTERPRISE SYSTEMS

Product (Chassis)	Firewall Throughput (512 Byte)	IPSec VPN Throughput	Concurrent Sessions	New Sessions Per Sec	Client-to-Site IPSec VPN Tunnels	Antivirus Throughput	Intrusion Prevention Throughput	Max Security Policies	Number of VDOMs	Network Interfaces	Chassis Slots / Max Security Blades	Power Source	Recommended Security Blades	Max Fabric Blades
FortiGate-5140 Chassis	Up to 182 Gbps	Up to 98 Gbps	Up to 28 M	Up to 700 K	Up to 896 K	Up to 7 Gbps	Up to 56 Gbps	1400 K	Up to 3500	See modules below	14 / 14	DC / AC	12	2
FortiGate-5050 Chassis	Up to 65 Gbps	Up to 35 Gbps	Up to 10 M	Up to 250 K	Up to 320 K	Up to 2.5 Gbps	Up to 20 Gbps	500 K	Up to 1250	See modules below	5 / 5	DC / AC	4	2
FortiGate-5020 Chassis	Up to 26 Gbps	Up to 14 Gbps	Up to 4 M	Up to 100 K	Up to 128 K	Up to 1 Gbps	Up to 8 Gbps	200 K	Up to 500	See modules below	2 / 2	AC	2	0
FortiGate-5001A-SW / -DW Blade	2 Gbps (6-13 Gbps w/ AMC)	800 Mbps (4-7 Gbps w/ AMC)	2 M	50 K	64 K	500 Mbps	2 Gbps (4 Gbps w/ AMC)	100 K	Up to 250	2 GigE 10/100/1000 port and Dual or Single Width AMC slot. Support RTM-XB2 module.				
FortiGate-5005FA2 Blade	5 Gbps	800 Mbps	1.2 M	30 K	64 K	300 Mbps	3 Gbps	100 K	Up to 250	6 GigE SFP ports and 2 FortiAccel SFP ports				
FortiGate-5001SX and FortiGate-5001FA2 Blades	4 Gbps	600 Mbps	1.2 M	20 K	10 K	250 Mbps	2 Gbps	100 K	Up to 250	FortiGate-5001SX: 4-GigE SFP, 4-GigE 10/100/1000 FortiGate-5001FA2: 2 GigE SFP, 4 GigE 10/100/1000, and 2 FortiAccel SFP ports				
FortiSwitch-5003A FortiSwitch-5003 Switch Fabric Blades	FortiSwitch-5003A delivers high availability 10GbE switching for FortiGate-5140 and -5050 chassis. FortiGate-5001A with RTM-XB2 is required for 10GbE switching across the backplane. FortiSwitch-5003 delivers high availability switching across the high-speed chassis backplane									FortiSwitch-5003A : 9-10GigE SFP+, 2-GigE 10/100/100 (Mgmt) FortiSwitch-5003 : 3-GigE 10/100/1000, 1-GigE 10/100/1000 (Mgmt)				
FortiController-5208 Load Balancing Fabric Blade	Delivers high-bandwidth load balancing for AV+IPS applications									2-10GigE XFP, 8-GigE SFP, 1-GigE 10/100/1000 (Mgmt)				

## ENTERPRISE APPLIANCES

Product	Firewall Throughput (512 Byte)	IPSec VPN Throughput	Concurrent Sessions	New Sessions Per Sec	Client-to-Site IPSec VPN Tunnels	Antivirus Throughput	Intrusion Prevention Throughput	Max Security Policies	10/100 Interfaces	10 / 100 / 1000 Interfaces	SFP Interfaces	Modular Expansion Slots	Switch / LAN Interfaces	Hot-Swappable Power Supplies	VDOMs (Max)
FortiGate-3810A	7 Gbps (37 Gbps w/ AMC)	1 Gbps (19 Gbps w/ AMC)	2 M	40 K	64 K	500 Mbps	4 Gbps	100 K	0	8	2	2 single and 2 double width AMC	0	Yes	Up to 250
FortiGate-3600A	6 Gbps (10 Gbps w/ AMC)	800 Mbps (3.8 Gbps w/ AMC)	1.1 M	40 K	64 K	400 Mbps	3 Gbps	100 K	0	8	2	1 single width AMC	0	Yes	Up to 250
FortiGate-3016B	16 Gbps (20 Gbps w/ AMC)	12 Gbps (15 Gbps w/ AMC)	1.1 M	25K	64 K	300 Mbps	2 Gbps	100 K	0	2	16	1 single width AMC	0	Yes	Up to 250
FortiGate-1240B	40 Gbps (44 Gbps w/ AMC)	16 Gbps (18.5 Gbps w/ AMC)	2 M	100 K	20 K	900 Mbps	1.5 Gbps	100 K	0	16	24	1 single width AMC and 6 FSM	0	Yes	Up to 25
FortiGate-1000A / FA2	2 Gbps	600 Mbps	1.1 M	15 K	10 K	200 Mbps	1 Gbps	100 K	0	10	0 / 2 - FA2	No	0	Yes	10
FortiGate-800 / -800F	1 Gbps	200 Mbps	800 K	10 K	3 K	150 Mbps	600 Mbps	20 K	4	4 / 0 - 800F	0 / 4 - 800F	No	0	No	10
FortiGate-620B / -620B-DC	16 Gbps (20 Gbps w/ AMC)	12 Gbps (15 Gbps w/ AMC)	1 M	25 K	20 K	250 Mbps	1 Gbps	100 K	0	20	0	1 single width AMC	0	Opt. Ext. Redundant AC Power	10
FortiGate-500A	600 Mbps	150 Mbps	500 K	10 K	3 K	120 Mbps	400 Mbps	8 K	8	2	0	No	4	No	10
FortiGate-400A	500 Mbps	140 Mbps	500 K	10 K	3 K	100 Mbps	300 Mbps	5 K	4	2	0	No	0	No	10
FortiGate-310B / -310B-DC FortiGate-311B	8 Gbps (12 Gbps w/ AMC)	6 Gbps (9 Gbps w/ AMC)	600 K	20 K	3 K	160 Mbps	800 Mbps	8 K	0	10	0	1 single width AMC. 64GB SSD (-311B)	0	Yes Opt. (-310B) Yes (-311B)	10
FortiGate-300A	400 Mbps	120 Mbps	400 K	10 K	1.5 K	70 Mbps	200 Mbps	5 K	4	2	0	No	0	No	10
FortiGate-200B	5 Gbps	2.5 Gbps	500 K	15 K	2 K	95 Mbps	500 Mbps	6 K	8	8	0	No	8	No	10
FortiGate-200A / -224B	150 Mbps	70 Mbps	400 K	4 K	200	30 Mbps	100 Mbps	2 K	8 / 26	0 / 2	0	No	4 / 24	No	10

## SMB/ROBO/SOHO APPLIANCES

Product	Firewall Throughput (512 Byte)	IPSec VPN Throughput	Concurrent Sessions	New Sessions Per Sec	Client-to-Site IPSec VPN Tunnels	Antivirus Throughput	Intrusion Prevention Throughput	Max Security Policies	Switch/LAN Interfaces	WAN Interfaces	DMZ Interfaces	Wireless Interfaces	Other Interfaces	VDOMs (Max)
FortiGate-110C / -111C	500 Mbps	100 Mbps	400 K	10 K	1.5 K	65 Mbps	200 Mbps	4 K	8	2 GbE	0	No	USB, COM, 32 GB SSD (-111C)	10
FortiGate Voice-80C	500 Mbps	100 Mbps	400 K	10 K	1.5 K	65 Mbps	200 Mbps	4 K	8	2 GbE	0	No	4 FXO, Concurrent Users: 20	10
FortiGate-82C	350 Mbps	80 Mbps	100 K	5 K	200	50 Mbps	100 Mbps	2 K	0	4 GbE	0	No	1TB Storage & 3 open slots	10
FortiGate-80C / -80CM FortiWiFi-80CM / -81CM	350 Mbps	80 Mbps	100 K	5 K	200	50 Mbps	100 Mbps	2 K	6	2 GbE	1	FW-80CM/ -81CM WiFi a/b/g/n	ExpressCard Slot, Modem (-80/-81CM), 32 GB SSD (-81CM)	10
FortiGate-50B / -51B FortiWiFi-50B	50 Mbps	48 Mbps	25 K	2 K	20	19 Mbps	30 Mbps	2 K	3	2	0	FW-50B WiFi b/g	POE-Powered (FortiWiFi), USB, COM, 32 GB SSD (-51B)	10
FortiGate/WiFi-30B	30 Mbps	5 Mbps	5K	1K	5	5 Mbps	10 Mbps	200	3 / 4 - FW30B	1	0	FW-30B WiFi b/g	USB, COM	0

## Expansion Modules

Advanced Mezzanine Card (AMC) Modules	[Double Width Modules:] • ADM-XB2: 2-port 10GigE FortiASIC Module • ADM-XE2: 2-port 10GigE Security Processing Module • ADM-FB8: 8-port GigE FortiASIC Module • ADM-FE8: 8-port GigE Security Processing Module [Single Width Modules:] • ASM-FB4: 4-port GigE FortiASIC Module • ASM-CE4: 4-port GigE Security Processing Module • ASM-S08: 80 GB Hard Disk Storage Module • ASM-CX4: 4-port GigE TX By-Pass Module • ASM-FX2: 2-port GigE SX By-Pass Module • ASM-ET4: 4-port T1/E1 WAN Module
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The product datasheet should be consulted for the most accurate and up-to-date product specifications. The datasheet for any product or service listed within this document can be found on [www.fortinet.com](http://www.fortinet.com). Actual product performance will vary and depends on network environment and configuration. Antivirus performance is measured using HTTP protocol traffic with 32Kbyte file attachments. FW and IPS performance is measured using UDP protocol traffic with 512 byte packet sizes.

### MANAGEMENT, ANALYSIS, & REPORTING APPLIANCES

PRODUCT	10/100/1000 Ethernet	10/100 Ethernet	Base System Storage Capacity	Administration Domain (ADOM)	Administrative Web Portals	Web Portal Users (Max)	Local Hosted Security Content	Hardware Form Factor	Network Devices (Max)	FortiClient Devices (Max)	Model Restrictions	Redundant Power Supplies
FortiManager-5001A	2	0	80 GB	100	100	4,000	AV, IPS, VM, WF, AS	ATCA Blade	4,000	100,000	None	Yes
FortiManager-3000C	4	0	2 TB	200	100	4,000	AV, IPS, VM, WF, AS	Rack Mount (2-RU)	5,000	120,000	None	Yes
FortiManager-1000C	4	0	1 TB	50	50	500	AV, IPS, VM, WF, AS	Rack Mount (1-RU)	800	25,000	FG-5000 Series	No
FortiManager-400B	4	0	500 GB	10	10	200	AV, IPS, VM	Rack Mount (1-RU)	200	10,000	FG-5000 Series	No
FortiManager-100C	2	1	1 TB	10	10	200	AV, IPS, VM	Desktop	20	2,500	FG-5000 Series	No

PRODUCT	10/100/1000 Ethernet	10/100 Ethernet	Base System Storage Capacity	RAID Storage Management	Number of Hard Drives	Centralized Quarantine	Network Devices (Max)	FortiClient Agents (Max)	Data Receive Rate	Log Performance (Logs / Sec)	Recommended Device Type	Redundant Power Supplies
FortiAnalyzer-4000A	2	0	6 TB	Yes (0, 1, 5, 10, 50)	12	Yes	2,000	No Restriction	20 Mbps	Up to 5,000	All Models	Yes
FortiAnalyzer-2000B	6	0	2 TB	Yes (0, 1, 5, 10, 50)	2 (Optional - 4)	Yes	2,000	No Restriction	12 Mbps	Up to 3,000	All Models	Yes
FortiAnalyzer-1000B	4	0	1 TB	Optional - Yes (0, 1)	1 (Optional - 1)	Yes	2,000	No Restriction	4 Mbps	Up to 1,000	All Models	No
FortiAnalyzer-400B	4	0	500 GB	Optional - Yes (0, 1)	1 (Optional - 1)	Yes	200	2000	2 Mbps	Up to 500	All Models	No
FortiAnalyzer-100C	2	1	1 TB	N/A	1	Yes	100	100	800 Kbps	Up to 200	All Models	No

### SECURE MESSAGING APPLIANCES

PRODUCT	10/100/1000 Ethernet	10/100 Ethernet	Base System Storage Capacity	RAID Storage Management	Email Domains	Recipient Policies (Domain / Sys)	Server Mode Mailboxes	Hardware Form Factor	AS / AV Profiles (Domain / Sys)	Email Routing (Messages / Hr)	Antispam (Messages / Hr)	Redundant Power Supplies
FortiMail-5001A	2	0	80 GB	N/A	10,000	1,500 / 7,000	3000	ATCA Blade	50 / 600	1.4 Million	1.3 Million	Yes
FortiMail-2000B	6	0	1 TB	Yes (0, 1, 5, 10, 50)	5,000	1,500 / 7,000	3000	Rack Mount (2-RU)	50 / 600	1.1 Million	1.1 Million	Yes
FortiMail-400B	4	0	500 GB	Optional - Yes (0,1)	500	600 / 3,000	1000	Rack Mount (1-RU)	50 / 200	264,600	234,000	No
FortiMail-100C	2	1	1 TB	N/A	50	60 / 300	200	Desktop	50 / 60	64,800	57,600	No

### DATABASE & WEB SECURITY APPLIANCES

PRODUCT	10/100/1000 Ethernet	No. of Database Instances	Base System Storage Capacity	RAID Storage Management	Redundant Power Supplies	Database Support	Repository Database Support
FortiDB-2000B	4	60	1 TB	No	Yes	DB2 UDB V8, DB2 UDB V9; Microsoft SQL Server 2000, Microsoft SQL Server 2005; Oracle 8.1.6, Oracle 8.1.7.4, Oracle 9.2.0.x, Oracle 10.2.0.x, Oracle 11.1.0.x; Sybase ASE 12.5.4, Sybase ASE 15.0.2	Apache Derby 10.x, DB2 UDB v9, Microsoft SQL Server 2005, Oracle 10gR2, PostgreSQL 8.3
FortiDB-1000B	4	30	1 TB	No	No		
FortiDB-400B	4	10	500 GB	No	No		

PRODUCT	10/100/1000 Ethernet	Throughput (HTTP)	Base System Storage Capacity	RAID Storage Management	Redundant Power Supplies	Max Sessions	New Sessions Per Second	Comprehensive WAF and XML Security Features	Other Features
FortiWeb-1000B	4	500 Mbps	1 TB	No	No	30,000	10,000	XML schema validation and expression limiting, WSDL Verification, Form Field Tampering Validation and others	SSL and XML encryption and co-processing, Content base Routing.

### ENDPOINT SECURITY SOFTWARE

PRODUCT	Personal Firewall	Antivirus & AntiSpyware	IPSec VPN	WAN Optimization Client	Intrusion Prevention	Email Antispam	FortiManager Management	Web Content Filtering	Address Book Protection	SMS Filtering & Antispam	Supported Platforms
FortiClient - Windows	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	XP, Vista, x64, 2003 Server and Pro
FortiMobile - Symbian	Yes/Yes	Yes/Yes	No/No	No/No	No/No	No/No	Yes/Yes	No/Yes	No/No	Yes/Yes	SymbianOS/UIQ
FortiMobile - Windows Mobile	Yes	Yes	Yes	No	No	No	Yes	No	Yes	Yes	Windows CE, Windows Mobile

### FORTIGUARD SECURITY SUBSCRIPTION SERVICES

Product	FortiGuard IPS	FortiGuard Antivirus	FortiGuard Antispam	FortiGuard Web Filtering	<b>FORTIGUARD ANALYSIS AND MANAGEMENT SERVICE</b> Monthly or Yearly Plan available. 10 GB Storage Quota per license. Multiple licenses can be combined to increase storage. FortiGuard Analysis and Management Service is licensed per device. All FortiGate systems are supported.	FORTICARE SUPPORT SERVICES					
						Support Services	Hardware Replacement	Product Updates	Web-Based Support	Telephone-Based Support	On-Line Support Tools
FortiGate	Available	Available	Available	Available		FortiCare 8x5	Return & Repair	Yes	Yes	8x5	Yes
FortiMail	Not Available	Available	Available	Not Available		FortiCare 24x7	Advanced Replacement	Yes	Yes	24x7	Yes
FortiClient PC	Not Available	Available	Available	Available		Service Bundles	FortiCare and FortiGuard service bundles are available. Please contact your Value Added Reseller (VAR) or Fortinet sales representative for more information.				
FortiClient Mobile	Not Available	Available	Not Available	Not Available							



## Security • Performance • Cost • Flexibility

Fortinet® is the pioneer and leading provider of integrated network security solutions that protect your network against today's constantly changing threats. Fortinet provides solutions for the world's largest organizations, like large enterprises and service providers, to small offices with 25 users—and every size in between. Unlike providers of point products, Fortinet offers an innovative security platform that incorporates the essential security applications and services required to enable a safe and clean communications environment regardless of size. Fortinet delivers

- Better security by providing a comprehensive multi-threat security solution
- Higher performance through ASIC-acceleration
- Lower total cost of ownership (OpEx and CapEx) by integrating best-of-breed security applications into a single device

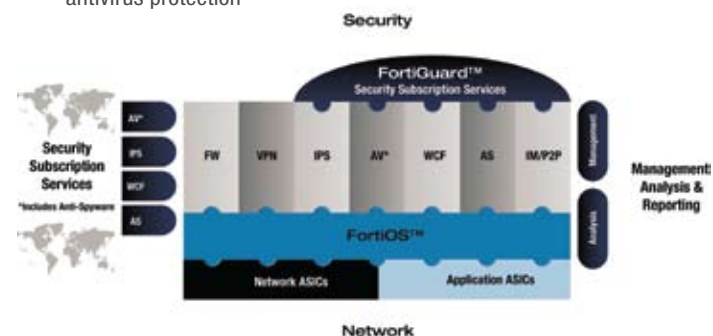
Fortinet protection solutions include a range of high-end chassis based systems, appliance-based solutions, and management and reporting tools. These capabilities allow our customers to cost-effectively protect their critical assets while delivering unparalleled flexibility in deployment.

Fortinet is the only unified security solutions provider that owns all of its technology. Fortinet solutions were built from the ground up by Fortinet to integrate multiple levels of security protection—including firewall, antivirus, intrusion prevention, VPN, spyware prevention, Web filtering, antispam and traffic shaping—providing customers a way to protect against multiple threats today and into the future.

Contact your Authorized FortiPartner or visit [www.fortinet.com/partners](http://www.fortinet.com/partners) to find a FortiPartner near you.

The FortiGate® family of multi-threat security appliances range in performance and physical features to meet network requirements of all sizes and topologies. Additionally, Fortinet delivers a complete line of product extensions that enable network managers to control, monitor, and operate networks simply and powerfully:

- FortiAnalyzer™ Appliances—Centralized logging and reporting that securely aggregates and analyzes log data from multiple Fortinet products
- FortiManager™ Appliances—Centralized command and control, configuration management and monitoring solution
- FortiMail™ Appliances—An enterprise-class family of specialized email security solutions providing antispam and antivirus protection



## The FortiASIC™ Advantage

The FortiASIC processor is the foundation of Fortinet's unique technology. FortiASICs use an intelligent, proprietary content scanning engine that accelerates compute-intensive actions. They also contain acceleration algorithms for encryption so that FortiGate security devices can perform antivirus scanning on VPN tunnels, ensuring clean and controlled communications. Coupling our custom ASIC with proprietary network processor acceleration, Fortinet's security systems deliver improved security, extreme performance, and a compelling total cost of ownership.

## FortiOS™ Operating System: Developed for Security

Fortinet's FortiOS was developed with security and performance as top priorities. FortiOS features full routing (BGP, OSPF, RIP), complete logging and auditing capabilities for forensic analysis, granular Virtual Security Domain (VDM) support, and a complete command line interface (CLI). No third party software applications are included that could lead to a vulnerability. It is Common Criteria Certified EAL 4+ and Federal Information Processing Standard (FIPS) 140-2 validated.

## FortiGuard® Security Services

The FortiGuard Network is a combination of people and technology which enhance the value of Fortinet solutions. Over 100 members strong, the FortiGuard Global Threat Research Team ensure that FortiGuard Security Subscription Services are always up-to-date and providing protection from the latest threats. Delivering the latest security content is the FortiGuard Distribution Network, which is comprised of geographically dispersed systems which can optionally push updates to Fortinet devices anywhere in the world within minutes.

