

# 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	Sessions Per Sec	Antivirus Throughput	Intrusion Prevention Throughput	Number of VDOMs	Network Interfaces	Chassis Slots / Max # of Security Blades	Power Source	Recommended # of Security Blades	Max Fabric Blades
FortiGate-5140 Chassis	Up to 264 Gbps	Up to 102 Gbps	Up to 28 M	Up to 700 K	Up to 7 Gbps	Up to 56 Gbps	Up to 3500	See modules below	14 / 14	DC / AC	12	2
FortiGate-5060 Chassis	Up to 132 Gbps	Up to 51 Gbps	Up to 12 M	Up to 300 K	Up to 3 Gbps	Up to 24 Gbps	Up to 1500	See modules below	6 / 6	DC / AC	5	2
FortiGate-5050 Chassis	Up to 110 Gbps	Up to 42.5 Gbps	Up to 10 M	Up to 250 K	Up to 2.5 Gbps	Up to 20 Gbps	Up to 1250	See modules below	5 / 5	DC / AC	4	2
FortiGate-5020 Chassis	Up to 44 Gbps	Up to 17 Gbps	Up to 4 M	Up to 100 K	Up to 1 Gbps	Up to 8 Gbps	Up to 500	See modules below	2 / 2	AC	2	0
FortiGate-5001A-SW / -DW Blade (with AMC)	2 Gbps (13 / 22 Gbps)	800 Mbps (7 / 8.5 Gbps)	2 M	50 K	500 Mbps	2 Gbps (4 Gbps)	Up to 250	2 GbE 10/100/1000 port and Double- or Single-Width AMC slot. Supports 10GbE modules.				
FortiGate-5005FA2	5 Gbps	800 Mbps	1.2 M	30 K	300 Mbps	3 Gbps	Up to 250	6 GbE SFP ports and 2 FortiASIC-accelerated SFP ports				
FortiGate-5001SX and FortiGate-5001FA2	4 Gbps	600 Mbps	1.2 M	20 K	250 Mbps	2 Gbps	Up to 250	5001SX: 4-GbE SFP, 4-GbE 10/100/1000 5001FA2: 2 GbE SFP, 4 GbE 10/100/1000, and 2 FortiASIC-accelerated SFP ports				
FortiSwitch-5003A FortiSwitch-5003 Switch Fabric Blades	FortiSwitch-5003A delivers high availability 10GbE switching for FortiGate-5140 and -5050 chassis. Each FortiGate-5001A requires a 10GbE Rear Transition Module (RTM) for switching across the backplane fabric. FortiSwitch-5003 delivers high availability switching across the high-speed chassis backplane fabric.							FortiSwitch-5003A : 9-10GbE SFP+, 2-GbE 10/100/100 (Mgmt) FortiSwitch-5003 : 3-GbE 10/100/1000, 1-GbE 10/100/1000 (Mgmt) RTM-XB2 or RTM-XD2: 10 GbE Rear Transition Module for FG-5000 Series				
FortiController-5208 Load Balancing Fabric	Delivers high-bandwidth load balancing for antivirus and intrusion prevention applications.							2-10GbE XFP, 8-GbE SFP, 1-GbE 10/100/1000 (Mgmt)				

ENTERPRISE APPLIANCES														
Product	Firewall Throughput (512 Byte)	IPSec VPN Throughput	Concurrent Sessions	Sessions Per Sec	Antivirus Throughput	Intrusion Prevention Throughput	10/100 Interface	GbE Interface	SFP Interface	SFP+ (10GbE) Interface	Modular Expansion Slots	Base System Storage	Hot-Swappable Power Supplies	VDOMs (Max)
FortiGate-3950B / 3951B (with FMC)	20 Gbps (120/100 Gbps)	8 Gbps (48/40 Gbps)	10 M	175 K	1.5 Gbps	(12.5/10 Gbps)	0	2	4	2 (12/10)	5 / 4 FMC, 0 / 4 FSM	0 / 64 GB	Yes	Up to 250
FortiGate-3810A (with AMC)	7 Gbps (55 Gbps)	1 Gbps (23 Gbps)	2 M	40 K	500 Mbps	4 Gbps	0	8	2	0	2 SW and 2 DW AMC	0	Yes	Up to 250
FortiGate-3600A (with AMC)	6 Gbps (10 Gbps)	800 Mbps (3.8 Gbps)	1.1 M	40 K	400 Mbps	3 Gbps	0	8	2	0	1 SW AMC	0	Yes	Up to 250
FortiGate-3040B	40 Gbps	16 Gbps	4 M	100 K	1.2 Gbps	5 Gbps	0	2	10	8	4 FSM	64 GB	Yes	Up to 250
FortiGate-3016B (with AMC)	16 Gbps (20 Gbps)	12 Gbps (15 Gbps)	1.1 M	25K	300 Mbps	2 Gbps	0	2	16	0	1 SW AMC	0	Yes	Up to 250
FortiGate-1240B (with AMC)	40 Gbps (44 Gbps)	16 Gbps (18.5 Gbps)	2 M	100 K	900 Mbps	1.5 Gbps	0	16	24	0	1 SW AMC and 6 FSM	64 GB	Yes	Up to 25
FortiGate-800 / -800F	1 Gbps	200 Mbps	800 K	10 K	150 Mbps	600 Mbps	4	4 / 0 - 800F	0 / 4 - 800F	0	No	0	No	10
FortiGate-620B / -620B-DC (with AMC)	16 Gbps (20 Gbps)	12 Gbps (15 Gbps)	1 M	25 K	350 Mbps	1 Gbps	0	20	0	0	1 SW AMC	0	Opt. Ext. Red. AC Power	10
FortiGate-310B/-310B-DC FortiGate-311B (with AMC)	8 Gbps (12 Gbps)	6 Gbps (9 Gbps)	600 K	20 K	160 Mbps	800 Mbps	0	10	0	0	1 SW AMC 1 FSM (311B)	64 GB (311B)	Yes Opt. (310B) Yes (311B)	10
FortiGate-300A	400 Mbps	120 Mbps	400 K	10 K	70 Mbps	200 Mbps	4	2	0	0	No	0	No	10
FortiGate-200B / 200B-POE	5 Gbps	2.5 Gbps	500 K	15 K	95 Mbps	500 Mbps	8	8	0	0	1 FSM	0	No	10
FortiGate-224B / -200A	150 Mbps	70 Mbps	400 K	4 K	30 Mbps	100 Mbps	26 / 8	0 / 2	0	0	No	0	No	10

SMB/ROBO/SOHO APPLIANCES											
Product	Firewall Throughput (512 Byte)	IPSec VPN Throughput	Concurrent Sessions	Sessions Per Sec	Antivirus Throughput	Intrusion Prevention Throughput	Switch/LAN Interfaces	WAN Interfaces	Wireless Interfaces	Other Interfaces	VDOMs (Max)
FortiGate-110C / -111C	500 Mbps	100 Mbps	400 K	10 K	65 Mbps	200 Mbps	8 FE	2 GbE	No	USB, COM, 64 GB SSD (111C)	10
FortiGate Voice-80C	500 Mbps	100 Mbps	400 K	10 K	65 Mbps	200 Mbps	8 FE	2 GbE	No	4 FXO, Concurrent Calls: 20	10
FortiWiFi Voice-80CS	500 Mbps	100 Mbps	400 K	10 K	65 Mbps	200 Mbps	6 / 1 FE DMZ	2 GbE	802.11 a/b/g/n	Concurrent Calls: 20	10
FortiGate-82C	350 Mbps	80 Mbps	100 K	5 K	50 Mbps	100 Mbps	0	4 GbE	No	1TB Storage & 3 open slots	10
FortiGate-80C / -80CM FortiWiFi-80CM / -81CM	350 Mbps	80 Mbps	100 K	5 K	50 Mbps	100 Mbps	6 / 1 FE DMZ	2 GbE	FW-80CM/ 81CM WiFi a/b/g/n	ExpressCard Slot, Modem (80/81CM), 32 GB SSD (81CM)	10
FortiGate-60C FortiWiFi-60C	1 Gbps	70 Mbps	80 K	3 K	20 Mbps	60 Mbps	5 GbE / 1 FE DMZ	2 FE	FW-60C a/b/g/n	ExpressCard Slot, 4 GB storage, 1 USB-A and 1 USB-B port, POE-Powered (FW-60C)	10
FortiGate-50B / -51B FortiWiFi-50B	50 Mbps	48 Mbps	25 K	2 K	19 Mbps	30 Mbps	3 FE	2 FE	FW-50B WiFi b/g	POE-Powered (FortiWiFi), USB, COM, 32GB SSD (51B)	10
FortiGate/WiFi-30B	30 Mbps	5 Mbps	5K	1K	5 Mbps	10 Mbps	3 / 4 FE	1 FE	FW-30B WiFi b/g	USB, COM	0

Expansion Modules	
Advanced Mezzanine Card (AMC) Modules	[Double-Width (DW) Modules:] • <b>ADM-XD4</b> : 4-port 10GbE FortiASIC Module • <b>ADM-XB2</b> : 2-port 10GbE FortiASIC Module • <b>ADM-XE2</b> : 2-port 10GbE Security Processing Module • <b>ADM-FB8</b> : 8-port GbE FortiASIC Module • <b>ADM-FE8</b> : 8-port GbE Security Processing Module [Single-Width (SW) Modules:] • <b>ASM-FB4</b> : 4-port GbE FortiASIC Module • <b>ASM-CE4</b> : 4-port GbE Security Processing Module • <b>ASM-S08</b> : 80 GB Hard Disk Storage Module • <b>ASM-CX4</b> : 4-port GbE TX By-Pass Module • <b>ASM-FX2</b> : 2-port GbE SX By-Pass Module • <b>ASM-ET4</b> : 4-port T1/E1 WAN Module
Fortinet Mezzanine Card (FMC) Modules	• <b>FMC-XD2</b> : 2 10GbE port 20GbE SFP Firewall Acceleration Module • <b>FMC-XG2</b> : 2 10GbE port IPS Acceleration Module • <b>FSM-064</b> : 64 GB SSD Module, requires FSM slot

MANAGEMENT, ANALYSIS, & REPORTING APPLIANCES																
PRODUCT	10/100/1000 Ethernet	10/100 Ethernet	Base System Storage Capacity	Administration Domain	Administrative Web Portals	Web Portal Users (Max)	Local Hosted Security Content	Hardware Form Factor	Network Devices (Max)	FortiClient Devices	Model Restrictions	Redundant Power				
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 and 2 SFP	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	Network De- vices (Max)	FortiClient Agents (Max)	Centralized Quarantine	Number of Hard Drives	RAID Storage Management	Data Receive Rate	Log Perf. (Logs / Sec)	Recommended Device	Redundant Power				
FortiAnalyzer-4000B	2 and 2 SFP	0	6 TB	2,000	No Restriction	Yes	6 (Plus 18 Optional)	0, 1, 5, 6, 10, 50, 60	24 Mbps	Up to 6,000	All Models	Yes				
FortiAnalyzer-2000B	6	0	2 TB	2,000	No Restriction	Yes	2 (Plus 4 Optional)	0, 1, 5, 10, 50	12 Mbps	Up to 3,000	All Models	Yes				
FortiAnalyzer-1000C	4	0	1 TB	2,000	No Restriction	Yes	1 (Plus 3 Optional)	Opt - 0, 1, 10	4 Mbps	Up to 1,000	All Models	No				
FortiAnalyzer-400B	4	0	500 GB	200	2000	Yes	1 (Plus 1 Optional)	Opt - 0, 1	2 Mbps	Up to 500	All Models	No				
FortiAnalyzer-100C	2	1	1 TB	100	100	Yes	1	N/A	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	Policies (Do- main/Sys)	Server Mode Mailboxes	Hardware Form Factor	Profiles (Do- main / Sys)	Email Routing (Mgs / Hr)	Antispam (Mgs / Hr)	Redundant Power				
FortiMail-5001A	2	0	80 GB	N/A	10,000	1,500 / 7,500	3,000	ATCA Blade	50 / 600	1.4 Million	1.3 Million	Yes				
FortiMail-3000C	4 and 2 SFP	0	2 x 1 TB	0, 1, 5, 10, 50	5,000	1,500 / 7,500	3,000	Rack Mount (2-RU)	50 / 600	1.3 Million	1.3 Million	Yes				
FortiMail-2000B	6	0	2 x 1 TB	0, 1, 5, 10, 50	5,000	1,500 / 7,500	3,000	Rack Mount (2-RU)	50 / 600	1.1 Million	1.1 Million	Yes				
FortiMail-400B	4	0	500 GB	Opt - 0,1	500	600 / 3,000	1,000	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	90,000	85,000	No				
DATABASE, VULNERABILITY MANAGEMENT and WEB SECURITY APPLIANCES																
PRODUCT	10/100/1000 Ethernet	# Database Instances	Base System Storage Capacity	Total Storage Capacity	Redundant Power	Database Support / Asset Agent Licenses					Repository Database Support					
FortiDB-2000B	4	60	1 TB	6 TB (Opt)	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	2 TB (Opt)	No											
FortiDB-400B	4	10	500 GB	1 TB (Opt)	No											
FortiScan-1000C	4	NA	2 x 1 TB	2 TB	No	Asset Agent Licences - 2,000					NA					
PRODUCT	10/100/1000 Ethernet	Throughput (HTTP)	Base System Storage Capacity	Total Storage Capacity	Redundant Power	Max HTTP Trans / sec	Comprehensive WAF and XML Security Features			Other Features						
FortiWeb-3000C	6	1 Gbps	2 TB	6 TB (Opt)	Yes	40,000	XML schema validation and expression limiting, WSDL Verifica- tion, Form Field Tampering Validation and others			SSL and XML encryption and co-processing, Content base Routing.						
FortiWeb-1000C	4	500 Mbps	1 TB	2 TB (Opt)	No	27,000										
FortiWeb-400B	4	100 Mbps	500 GB	1 TB (Opt)	No	10,000										
SWITCHING PLATFORMS																
PRODUCT	10 GbE Ports (Max)	Throughput (Max)	Latency (Port-to- Port)	MAC Address Storage	VLAN Sup- ported	Total Link Agg Groups	Link Agg Group Size	Total Active Flows Mged	Line Cards (Max)	Fabric Cards (Max)	Management Cards (Max)	Redundant Power				
FortiSwitch-1000	144	2.9 Tbps	1.6 us	16,000	4,000	72	Up to 6	144,000	12	6	2	Yes				
FortiSwitch-500	24	480 Gbps	2.4 us	32,000	4,000	12	Up to 8	24,000	N/A	N/A	N/A	Yes				
FortiSwitch-100	4 / 48 GbE	176 Gbps	N/A	8,000	512	6	Up to 8	N/A	N/A	N/A	N/A	No				
ENDPOINT SECURITY SOFTWARE																
PRODUCT	Personal Firewall	IPSec VPN	Antivirus & AntiSpyware	WAN Optimization	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	Window 7, Vista, XP, 2000, Server 08, 03, 64 and 32 bit					
FortiMobile - Symbian	Yes	No	Yes	No	No	No	Yes	No	No	Yes	SymbianOS S60 7/8/9					
FortiMobile - WinMobile	No	Yes	Yes	No	No	No	Yes	No	Yes	Yes	Windows Mobile 2003/SE, 5, 6					
FORTIGUARD SECURITY SUBSCRIPTION SERVICES								INTEGRATED WIRELESS SECURITY AND ACCESS SOLUTIONS								
Product	AV	IPS	AS	WF	VM	AC	DB	AV = Antivirus IPS = Intrusion Preven- tion AS = Antispam WF = Web Filtering VM = Vulnerability Management (including Compliance Benchmark- ing) AC = Application control DB = Database Security		Product	Freq - Radio 1	Freq - Radio 2	Ethernet Port	# of SSIDs	POE	
FortiGate	Yes	Yes	Yes	Yes	Yes	Yes	No			FortiAP-210B	802.11 b/g/n or a/n (Selectable)	-	1 x 10/100/100	7 - client, 1 - monitoring	Yes (802.3 af)	
FortiAnalyzer	No	No	No	No	Yes	No	No			FortiAP-220A	802.11 b/g/n	802.11 a/n	5 x 10/100	14 - client, 2 - monitoring	No	
FortiClient	Yes	No	Yes	Yes	No	Yes	No			FortiAP-220B	802.11 b/g/n or a/n (Selectable)	802.11 b/g/n	1 x 10/100/1000	14 - client, 2 - monitoring	Yes (802.3 af)	
FortiDB	No	No	No	No	No	No	Yes			FORTIGUARD ANALYSIS AND MANAGEMENT SERVICE						
FortiMail	Yes	No	Yes	No	No	No	No			FortiGuard Analysis and Management Service is licensed per device. All FortiGate systems are supported.						
FortiScan	No	No	No	No	Yes	No	No			Yearly Plan available	10 GB Storage Quota per license. Multiple licenses can be combined to increase storage.					

# Product Matrix



## 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.

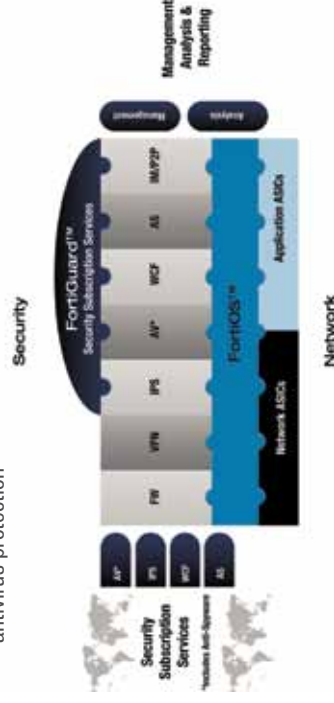
Fortinet is the only unified security solutions provider that owns all of its technology. Fortinet solutions were built from the ground up by Fortinet to integrate multiple levels of security protection—including firewall, antivirus, intrusion prevention, VPN, spyware prevention, Web filtering, antisipam 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.

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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 antisipam 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 (VDOM) 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.

