

# 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 (Flow)	Intrusion Prevention Throughput	Number of VDOMs	Network Interfaces	Chassis Slots / Max # of Blades	Power Source	Recommended # of Blades	Max Fabric Blades
FortiGate-5140/5140B Chassis	Up to 480 Gbps	Up to 204 Gbps	Up to 132 M	Up to 1152 K	Up to 26.4 Gbps	Up to 60 Gbps	Up to 6000	See modules below	14 / 14	DC / AC	12	2
FortiGate-5060 Chassis	Up to 240 Gbps	Up to 102 Gbps	Up to 66 M	Up to 576 K	Up to 13.2 Gbps	Up to 30 Gbps	Up to 3000	See modules below	6 / 6	DC / AC	6	2
FortiGate-5050 Chassis	Up to 110 Gbps	Up to 42.5 Gbps	Up to 10 M	Up to 250 K	Up to 11 Gbps	Up to 20 Gbps	Up to 2500	See modules below	5 / 5	DC / AC	5	2
FortiGate-5020 Chassis	Up to 44 Gbps	Up to 17 Gbps	Up to 4 M	Up to 100 K	Up to 4.4 Gbps	Up to 8 Gbps	Up to 1000	See modules below	2 / 2	AC	2	0
FortiGate-5001B	40 Gbps	17 Gbps	11 M	96 K	2.2 Gbps	5 Gbps	Up to 500	8 10GbE SFP+ and 2 10/100/100 Port with 64GB local storage				
FortiGate-5001A-SW / DW (with AMC)	2 Gbps (13 / 22 Gbps)	800 Mbps (7 / 8.5 Gbps)	2 M	50 K	1.5 Gbps	3.5 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 (Proxy)	3 Gbps [UDP]	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 (Proxy)	2 Gbps [UDP]	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-5203B FortiSwitch-5003B FortiSwitch-5003A Switch Fabric Blades	FortiSwitch-5203B, FortiSwitch-5003B and FortiSwitch-5003A delivers high availability 10GbE switching for FortiGate-5140, -5060 and -5050 chassis. FortiSwitch-5203B supports UTM function, which can be used as a standalone FortiGate module. 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-5203B : 9-10GbE SFP+, 2-GbE 10/100/100 (Mgmt) FortiSwitch-5003B : 9-10GbE SFP+, 2-GbE 10/100/100 (Mgmt) FortiSwitch-5003A : 9-10GbE SFP+, 2-GbE 10/100/100 (Mgmt) RTM-XB2 or RTM-XD2: 10 GbE Rear Transition Module for FG-5000 Series				

ENTERPRISE APPLIANCES														
Product	Firewall Throughput (512 Byte)	IPSec VPN Throughput	Concurrent Sessions	Sessions Per Sec	Antivirus Throughput (Flow)	Intrusion Prevention Throughput	GbE Interface	SFP Interface	SFP+ (10GbE) Interface	Bypass Interface	Modular Expansion Slots	Base System Storage	Hot-Swappable Power Supplies	VDOMs (Max)
FortiGate-3950B (with FMC)	20 Gbps (120 Gbps)	8 Gbps (50.5 Gbps)	20 M	250 K	(15 Gbps)	(20 Gbps)	2 (100)	4 (100)	2 (12)	0	5 FMC	256 GB	Yes	Up to 500
FortiGate-3140B	55 Gbps	22 Gbps	4 M	100 K	2 Gbps	7 Gbps	2	10	10	0	4 FSM	64 GB	Yes	Up to 250
FortiGate-3040B	40 Gbps	17 Gbps	4 M	100 K	2 Gbps	6 Gbps	2	10	8	0	4 FSM	64 GB	Yes	Up to 250
FortiGate-1240B (with AMC)	40 Gbps (44 Gbps)	16 Gbps (18.5 Gbps)	2 M	100 K	1.5 Gbps	5 Gbps	16	24	0	0	1 SW AMC and 6 FSM	64 GB	Yes	Up to 100
FortiGate-1000C	20 Gbps	8 Gbps	2.5 M	75 K	1.5 Gbps	3.5 Gbps	12+8 (Share)	8 (Share)	2	2	No	128 GB	Yes	Up to 10
FortiGate-620B / 620B-DC (with AMC)	16 Gbps (20 Gbps)	12 Gbps (15 Gbps)	1 M	25 K	750 Mbps	2.5 Gbps	20 (24)	0	0	0	1 SW AMC	0	Opt. Ext. PS	10
FortiGate-600C	16 Gbps	8 Gbps	1.5 M	40 K	1.2 Gbps	2.5 Gbps	16+4 (Share)	4 (Share)	0	2	No	64 GB	Yes Opt	10
FortiGate-310B / 310B-DC FortiGate-311B (with AMC)	8 Gbps (12 Gbps)	6 Gbps (9 Gbps)	600 K	20 K	350 Mbps	800 Mbps	10	0	0	0	1 SW AMC 2 FSM (311B)	1 x 64 GB (311B)	Yes Opt. (310B) Yes (311B)	10
FortiGate-300C	8 Gbps	4.5 Gbps	1 M	35 K	550 Mbps	1.2 Gbps	10	0	0	0	No	32 GB	Opt. Ext. PS	10
FortiGate-200B / 200B-POE	5 Gbps	2.5 Gbps	500 K	15 K	200 Mbps	650 Mbps	8 FE & 8 GbE	0	0	0	1 FSM	0	No	10

SMB/ROBO/SOHO APPLIANCES											
Product	Firewall Throughput (512 Byte)	IPSec VPN Throughput	Concurrent Sessions	Sessions Per Sec	Antivirus Throughput (Flow)	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	160 Mbps	450 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 (Proxy)	350 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 (Proxy)	350 Mbps	6 FE	2 GbE	802.11 a/b/g/n	1 FE DMZ, Concurrent Calls: 20	10
FortiGate-80C / 80CM FortiWiFi-80CM / 81CM	350 Mbps	80 Mbps	100 K	5 K	90 Mbps	350 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 / 60CM	1 Gbps	70 Mbps	80 K	3 K	35 Mbps	100 Mbps	5 GbE & 1 FE DMZ	2 FE / 2 GbE (60CM)	FW-60C & 60CM a/b/g/n	ExpressCard Slot, 8 GB storage, 1 USB-A and 1 USB-B port. Modem & 1 GbE DMZ (FWF-60CM)	10
FortiGate-50B / 51B FortiWiFi-50B	50 Mbps	48 Mbps	25 K	2 K	19 Mbps (Proxy)	50 Mbps	3 FE	2 FE	FW-50B WiFi b/g	POE-Powered (FortiWiFi), USB, COM, 32GB SSD (51B)	10
FortiGate/WiFi-40C	200 Mbps	60 Mbps	40 K	2 K	40 Mbps	40 Mbps	5 GbE	2 GbE	FW-40C WiFi a/b/g/n	1 USB-A Client, 1 USB-B Server and COM	10
FortiGate/WiFi-30B	30 Mbps	5 Mbps	5K	1 K	5 Mbps (Proxy)	10 Mbps	3 / 4 FE	1 FE	FW-30B WiFi b/g	USB, COM	0
FortiGate/WiFi-20C	20 Mbps	20 Mbps	10 K	1 K	20 Mbps	10 Mbps	4 GbE	1 GbE	FW-20C WiFi a/b/g/n	1 USB-A Client and 1 USB-B Server	0

Expansion Modules	
Advanced Mezzanine Card (AMC) Modules	[Double-Width (DW) Modules:] • ADM-XD4: 4-port 10GbE FortiASIC Module • ADM-XB2: 2-port 10GbE FortiASIC Module • ADM-XE2: 2-port 10GbE Security Processing Module • ADM-FB8: 8-port GbE FortiASIC Module • ADM-FE8: 8-port GbE Security Processing Module [Single-Width (SW) Modules:] • ASM-FB4: 4-port GbE FortiASIC Module • ASM-CE4: 4-port GbE Security Processing Module • ASM-S08: 80 GB Hard Disk Storage Module • ASM-CX4: 4-port GbE TX By-Pass Module • ASM-FX2: 2-port GbE SX By-Pass Module • ASM-ET4: 4-port T1/E1 WAN Module
Fortinet Mezzanine Card (FMC) Modules	• FMC-XD2: 2-port 10GbE Firewall Module • FMC-XG2: 2-port 10GbE IPS Module • FMC-C20: 20-port 1GbE Firewall Module with RJ45 interface • FMC-F20: 20-port 1GbE Firewall Module with SFP interface

**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	High Availability Support	Redundant Power
FortiManager-5001A	2	0	80 GB	100	100	4,000	AV, IPS, VM, WF, AS	ATCA Blade	4,000	100,000	Yes	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	Yes	Yes
FortiManager-1000C	4	0	1 TB	50	50	500	AV, IPS, VM, WF, AS	Rack Mount (1-RU)	800	25,000	Yes	No
FortiManager-400B	4	0	500 GB	10	10	200	AV, IPS, VM	Rack Mount (1-RU)	200	10,000	Yes	No
FortiManager-100C	2	1	1 TB	10	10	200	AV, IPS, VM	Desktop	20	2,500	Yes	No

  

PRODUCT	10/100/1000 Ethernet	10/100 Ethernet	Base System Storage Capacity	Network Devices (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 (Domain/Sys)	Server Mode Mailboxes	Hardware Form Factor	Profiles (Domain / Sys)	Email Routing (Mgs / Hr)	Antispam (Mgs / Hr)	Redundant Power
FortiMail-5002B	3	0	146 GB	N/A	10,000	1,500 / 7,500	3,000	ATCA Blade	50 / 600	2.3 Million	2.2 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	2.0 Million	1.8 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	1.5 Million	1.3 Million	Yes
FortiMail-400B	4	0	500 GB	Opt - 0,1	500	600 / 3,000	1,000	Rack Mount (1-RU)	50 / 200	300,000	280,000	No
FortiMail-100C	2	1	1 TB	N/A	50	60 / 300	200	Desktop	50 / 60	90,000	85,000	No

**DATABASE 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-1000C	4	30	1 TB	2 TB (Opt)	No		
FortiDB-400B	4	10	500 GB	1 TB (Opt)	No		

  

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 (FSX)	6 (2 SX)	1 Gbps	2 TB	6 TB (Opt)	Yes	40,000	XML schema validation and expression limiting, WSDL Verification, Form Field Tampering Validation and others	SSL and XML encryption and co-processing, Content base Routing. FWB-3000C-FSX supports 2 GbE SX port with by pass function.
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	10/100/1000 Ethernet	10 GbE Ports	Throughput	PoE Ports	PoE Power Budget	MAC Address Storage	VLAN Supported	Link Agg Group Size	Total Link Agg Groups	Layer 2 / Layer 3 Switch	Switch Type	Redundant Power
FortiSwitch-548B	0	48 (SFP+)	960 Gbps	0	N/A	128,000	3965	Up to 8 ports	8	Layer 2	Managed	Yes
FortiSwitch-248B-DPS	48	4 (SFP+)	176 Gbps	0	N/A	32,000	3965	Up to 8 ports	8	Layer 2	Managed	Yes
FortiSwitch-80-PoE	8	0	2 Gbps	4 - 802.3af	62 W	2,000	N/A	N/A	N/A	Layer 2	Unmanaged	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	Various Windows OSes
FortiMobile - WinMobile	No	Yes	Yes	No	No	No	Yes	No	Yes	Yes	Windows Mobile 2003/SE, 5, 6

**APPLICATION DELIVERY CONTROLLER PLATFORMS**

PRODUCT	10/100/1000 Ethernet	Throughput	SSL Throughput	Layer 7 RPS	SSL TPS	Connections	Redundant Power
FortiBalancer-2000	12 & 4 SFP	10 Gbps	5 Gbps	1.15 Million	22,500	8 Millions	Yes
FortiBalancer-1000	8 & 2 SFP	4 Gbps	1.6 Gbps	230,000	13,500	4 Millions	No
FortiBalancer-400	4	2 Gbps	1 Gbps	140,000	7,500	1 Millions	No

  

WEB CACHING & TWO FACTOR AUTH. PLATFORM				
PRODUCT	10/100/1000 Ethernet	Throughput	RAID Storage	Base System Storage
FortiCache-3000C	4 & 2 SFP	500 Mbps	0, 1, 5, 10, 50	6 x 1 TB
FortiAuthenticator-1000C	4	2000 users	-	1 TB

**FORTIGUARD SECURITY SUBSCRIPTION SERVICES**

Product	AV	IPS	AS	WF	VM	AC	DB	AV = Antivirus IPS = Intrusion Prevention AS = Antispam WF = Web Filtering VM = Vulnerability Management (including Compliance Benchmarking) AC = Application control DB = Database Security
FortiGate	Yes	Yes	Yes	Yes	Yes	Yes	No	
FortiAnalyzer	No	No	No	No	Yes	No	No	
FortiClient	Yes	No	Yes	Yes	No	Yes	No	
FortiDB	No	No	No	No	No	No	Yes	
FortiMail	Yes	No	Yes	No	No	No	No	
FortiScan	No	No	No	No	Yes	No	No	

**INTEGRATED WIRELESS SECURITY AND ACCESS SOLUTIONS**

Product	Freq - Radio 1	Freq - Radio 2	Ethernet Port	# of SSIDs	POE
FortiAP-222B	802.11 a/n	802.11 b/g/n	1 x 10/100/1000	14 - client, 2 - monitoring	Yes (802.3 at - 30W)
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)
FortiAP-210B	802.11 b/g/n or a/n (Selectable)	-	1 x 10/100/100	7 - client, 1 - monitoring	Yes (802.3 af)

**FORTIGUARD ANALYSIS AND MANAGEMENT SERVICE**

FortiGuard Analysis and Management Service (FAMS) is licensed by device model and FortiGate 600 Series and below are supported. Multiple devices can be managed with a single FAMS account, will require individual license per device.

# Product Matrix



**FORTINET.**

## Security • Performance • Cost • Flexibility

Fortinet® is the pioneer and leading provider of consolidated network security solutions that protect your network against today's constantly changing threats. Fortinet provides end-to-end security solutions from the network core to the endpoint for the world's largest organizations, including global enterprises, service providers, and government agencies. We also protect small and medium businesses, branch offices, and regional locations. Fortinet offers an innovative security platform that incorporates the essential security applications and network services required to protect your environment, regardless of size. Fortinet delivers

- Improved security with a comprehensive, consolidated security solution
- Increased performance with custom ASIC-accelerated hardware
- Reduced total cost of ownership by integrating best-of-breed security applications into a single device and simplifying your network

Fortinet network security solutions include a range of high-end chassis based systems, appliance-based solutions, virtual appliances, and management and reporting tools. These capabilities allow you to protect your critical assets cost-effectively while delivering unparalleled flexibility in deployment.

Fortinet is the only unified threat management solutions provider that owns all of its technology. We built Fortinet solutions from the ground up to integrate multiple levels of security protection—including firewall, antivirus, intrusion prevention, application control, VPN, antimalware, Web filtering, antispy 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.

Fortinet Incorporated | 1090 Kifer Road, Sunnyvale, CA 94086 USA  
Tel +1-408-235-7700 Fax +1-408-235-7737 | [www.fortinet.com/sales](http://www.fortinet.com/sales)

The FortiGate® family of consolidated security systems range in performance and physical features to meet the requirements of any sized organization. Additionally, Fortinet delivers a complete line of products 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 antispy and antivirus protection
- FortiWeb™ Appliances - An enterprise class of Web application firewalls protection web-based applications and data

The Fortinet Advantage:

Fortinet's purpose built hardware and software provide industry-leading performance for the most demanding networking environments. Our solutions provide the visibility you need to detect hidden threats within legitimate content, even from trusted sources and authorized applications.

## FortiASIC™ Purpose-Built Security Acceleration

We developed our integrated architecture specifically to provide extremely high throughput and exceptionally low latency. Our unique approach minimizes packet processing while accurately scanning the data for threats. Custom FortiASIC™ processors deliver the power you need to detect malicious content at multi-Gigabit speeds. Other security technologies cannot protect against today's wide range of content- and connection-based threats because they rely on general-purpose CPUs, causing a dangerous performance gap. FortiASIC processors provide the performance you need to block emerging threats, meet rigorous third-party certifications, and ensure that your network security solution does not become a network bottleneck.

## FortiOS™ Operating System: Developed for Security

We created the FortiOS operating system specifically to offer maximum performance and protection while reducing complexity in your networking environment. FortiOS gives you the flexibility to deploy as much or as little network and security technology as you need: Firewall, IPS, Antivirus, Antispam, IPsec and SSL VPN, Application Control, WAN Optimization, DLP, SSL Inspection, full feature routing, complete logging and auditing capabilities for forensic analysis, granular multi-tenant Virtual Security Domain (VDOM) support, and a complete command line interface (CLI). We develop all our own technology, meaning there are no third party software applications included that could lead to a vulnerability. It is Common Criteria Certified EAL 4+ and Federal Information Processing Standard (FIPS) 140-2 validated.

## Global Threat Research and Updates

Our FortiGuard® Labs' global team of threat researchers continuously monitors the evolving threat landscape. The team of over 125 FortiGuard Labs researchers provides around the clock coverage to ensure your network stays protected. It delivers rapid product updates and detailed security knowledge, providing protection from new and emerging threats.

FortiGuard Services

- Analysis and Management
- Antispam
- Antivirus
- Application Control
- Database Security
- Intrusion Prevention
- Vulnerability Management
- Web Filtering
- VOIP
- Web Security

