

# Fortinet Product Matrix

SEPTEMBER 2012



**FORTINET**  
EQUIPMENT



# FortiGate Integrated Network Security Platform - Industry's #1 Network Security Solution

	FG/FWF-20C	FG/FWF-40C	FG/FWF-60C	FG/FWF-80C	FG-100D	FG-200B	FG-300C	FG-600C	FG-800C
Firewall Throughput (1518/512/64 byte UDP)	20 / 20 / 20 Mbps	200 / 200 / 200 Mbps	1 / 1 / 1 Gbps	1900 / 700 / 120 Mbps	2500 / 1000 / 200 Mbps	5 / 5 / 4 Gbps	8 / 8 / 8 Gbps	16 / 16 / 16 Gbps	20 / 20 / 20 Gbps
Firewall Latency	6 µs	3 µs	4 µs	45 µs	37 µs	2 µs	2 µs	7 µs	6 µs
Concurrent Sessions	10,000	40,000	400,000	1 Mil	2.5 Mil	500,000	2 Mil	3 Mil	7 Mil
New Sessions/Sec	1,000	2,000	3,000	12,000	22,000	15,000	50,000	70,000	190,000
Firewall Policies (Sys/Vdom)	200 / -	5,000 / 500	5,000 / 500	5,000 / 500	10,000 / 5,000	12,000 / 6,000	40,000 / 20,000	100,000 / 50,000	100,000 / 50,000
IPSec VPN Throughput	20 Mbps	60 Mbps	70 Mbps	140 Mbps	450 Mbps	2.5 Gbps	4.5 Gbps	8 Gbps	8 Gbps
Max G/W to G/W IPSEC Tunnels	5	20	50	200	1,500	2,000	6,000	10,000	10,000
Max Client to G/W IPSEC Tunnels	5	250	500	1,000	5,000	2,000	10,000	50,000	50,000
SSL VPN Throughput	-	15 Mbps	15 Mbps	70 Mbps	300 Mbps	110 Mbps	200 Mbps	500 Mbps	1 Gbps
Recommended SSL VPN Users	-	40	60	60	200	200	500	1,000	1,000
IPS Throughput	20 Mbps	135 Mbps	135 Mbps	350 Mbps	950 Mbps	650 Mbps	1.4 Gbps	4 Gbps	6 Gbps
Antivirus Throughput (Proxy-Based/ Flow-Based)	12 / 20 Mbps	20 / 40 Mbps	20 / 40 Mbps	50 / 190 Mbps	300 / 700 Mbps	95 / 200 Mbps	200 / 550 Mbps	1.3 / 1.7 Gbps	1.7 / 2.1 Gbps
Max Number of FortiAPs	-	5	5	16	32	32	256	512	512
Max Number of FortiTokens	20	500	500	500	1,000	1,000	1,000	1,000	5,000
Virtual Domains ( Default/Max)	-	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Interfaces (FE ports)	-	-	-	7	-	8	-	-	-
Interfaces (GbE ports)	5x GbE Copper	7x GbE Copper	8x GbE Copper	2x GbE Copper	22x GbE Copper	8x GbE Copper	10x GbE Copper	16x GbE Copper, 2x Shared Port Pairs, 2x bypass	12x GbE Copper, 4x Shared Port Pairs, 2x Bypass
Interfaces (Others)	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	-	-	-	-	2x 10 GbE SFP+
Local Storage	2 GB	4 GB	8 GB	8 GB	16 GB	64 GB opt.	32 GB	64 GB	64 GB
Power Supplies	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Dual PS or Ext RPS	Single AC Power Supply, opt. Dual PS or Ext RPS
Form Factor	Desktop	Desktop	Desktop	Desktop	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU
Variants	WiFi, LENC	WiFi, LENC	WiFi, Analog Modem, Wifi + Analog Modem, LENC	WiFi, Analog Modem, Wifi + Analog Modem, LENC	LENC	POE, LENC	DC, LENC	DC, LENC	-

  

	FG-1000C	FG-1240B	FG-3040B	FG-3140B	FG-3240C	FG-3950B	FG-5001B	FSW-5203B	FG-5101C
Firewall Throughput (1518/512/64 byte UDP)	20 / 20 / 20 Gbps	40-44 / 40-44 / 38-42 Gbps	40 / 40 / 40 Gbps	58 / 55 / 43 Gbps	40 / 40 / 40 Gbps	20-120 / 20-120 / 20-120 Gbps	40 / 40 / 40 Gbps	40 / 40 / 40 Gbps	40 / 40 / 10 Gbps
Firewall Latency	6 µs	7 µs	4 µs	4 µs	4 µs	4 µs	4 µs	4 µs	7 µs
Concurrent Sessions	7 Mil	5 Mil	10 Mil	10 Mil	10 Mil	20 Mil	20 Mil	20 Mil	10 Mil
New Sessions/Sec	190,000	120,000	200,000	200,000	200,000	250,000	170,000	170,000	235,000
Firewall Policies (Sys/Vdom)	100,000 / 50,000	100,000 / 50,000	100,000 / 50,000	100,000 / 50,000	100,000 / 50,000	100,000 / 50,000	100,000 / 50,000	100,000 / 50,000	100,000 / 50,000
IPSec VPN Throughput	8 Gbps	16 - 18.5 Gbps	17 Gbps	22 Gbps	17 Gbps	8 - 50.5 Gbps	17 Gbps	17 Gbps	22 Gbps
Max G/W to G/W IPSEC Tunnels	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Max Client to G/W IPSEC Tunnels	50,000	50,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000
SSL VPN Throughput	1 Gbps	370 Mbps	500 Mbps	500 Mbps	1 Gbps	1.2 Gbps	530 Mbps	530 Mbps	970 Mbps
Recommended SSL VPN Users	3,000	1,500	22,000	22,000	30,000	25,000	20,000	20,000	25,000
IPS Throughput	6 Gbps	5 - 8 Gbps	6 Gbps	8.4 Gbps	8 Gbps	5- 20 Gbps	7.8 Gbps	7.8 Gbps	9.4 Gbps
Antivirus Throughput (Proxy-Based/ Flow-Based)	1.7 / 2.1 Gbps	1.2 / 1.6 Gbps	2.3 / 4.5 Gbps	2.3 / 5.7 Gbps	2.6 / 5 Gbps	4 / 5 - 15 Gbps	2 / 2.5 Gbps	2 / 2.5 Gbps	2 / 5 Gbps
Max Number of FortiAPs	512	512	1024	1024	1024	1024	1024	1024	1024
Max Number of FortiTokens	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Virtual Domains ( Default/Max)	10 / 250	10 / 250	10 / 250	10 / 250	10 / 250	10 / 500	10 / 500	10 / 500	10 / 500
Interfaces (GbE ports)	12x GbE Copper, 4x Shared Port Pairs, 2x Bypass	16x GbE Copper, 24x GbE SFP	2x GbE Copper, 10x GbE SFP	2x GbE Copper, 10x GbE SFP	2x GbE Copper, 16x GbE SFP	2x GbE Copper, 4x GbE SFP	2x GbE Copper	1x GbE Copper	2x GbE Copper
Interfaces (10 GbE ports)	2x 10 GbE SFP+	-	8x 10 GbE SFP+	10x 10 GbE SFP+	12x 10 GbE SFP+	2x 10 GbE SFP+	8x 10 GbE SFP+	10x 10 GbE SFP+	4x 10 GbE SFP+
Local Storage	128 GB	64 GB (384 GB Max)	64 GB (256 GB Max)	64 GB (256 GB Max)	64 GB	256 GB	64 GB	64 GB	64 GB
Power Supplies	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Chassis Based	Chassis Based	Chassis Based
Form Factor	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 3 RU	ATCA Blade	ATCA Blade	ATCA Blade
Variants	DC, LENC	DC	DC, LENC	DC, LENC	-	DC, LENC	-	-	-

  

	FG-VM00	FG-VM01	FG-VM02	FG-VM04	FG-VM08
vCPU Supported (Min/Max)	1/1	1/1	1/2	1/4	1/8
Network Interface Support (Min/Max)	2/10	2/10	2/10	2/10	2/10
Memory Supported	512 MB / 512 MB	512 MB / 1 GB	512 MB / 3 GB	512 MB / 4 GB	512 MB / 12 GB
Storage Supported (Min / Max)	30 GB / 2 TB	30 GB / 2 TB	30 GB / 2 TB	30 GB / 2 TB	30 GB / 2 TB
Wireless AP Supported	32	256	512	512	1,024
Virtual Domain (Default/Max)	1	10/10	10/25	10/50	10/250



## FortiManager

Centralized Management Platform - Tools that effectively manage Fortinet security infrastructure

	FMG-200D	FMG-400C	FMG-1000C	FMG-3000C	FMG-5001A	FMG-VM-BASE	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG	FMG-VM-U-UG
Max Licensed Devices	30	300	800	5,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
Max ADOMs	30	300	800	5,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
Max Web Portals	-	-	800	5,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
Max Web Portal Users	-	-	800	5,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
Locally Hosted Security Content	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM	AV, IPS, VM	AV, IPS, VM	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS
Add-on Option	-	-	Web Portal SDK	Web Portal SDK	Web Portal SDK	Web Portal SDK	Web Portal SDK	Web Portal SDK	Web Portal SDK	Web Portal SDK	Web Portal SDK
Total Interfaces	4x GbE Copper	4x GbE Copper	4x GbE Copper	4x GbE Copper, 2x SFP	2x GbE Copper				1 / 4 (vNIC Min / Max)		
Storage Capacity	1x 1 TB	1x 1 TB	1x 2 TB	2x 2 TB	1x 80 GB				80 GB / 2 TB (Min / Max)		



## FortiAnalyzer

Centralized Logging & Reporting - Logging, reporting and analysis from multiple Fortinet devices

	FAZ-200D	FAZ-400C	FAZ-1000C	FAZ-2000B	FAZ-4000B	FAZ-VM-100	FAZ-VM-400	FAZ-VM-1000	FAZ-VM-2000	FAZ-VM-4000	FAZ-VM-UNL
Max Log/Sec	350	625	1,000	3,000	6,000	200	625	1,000	3,000	6,000	10,000
Data Receive Rate	1.4 Mbps	2.5 Mbps	4 Mbps	12 Mbps	24 Mbps	800 Kbps	2.5 Mbps	4 Mbps	12 Mbps	24 Mbps	30 Mbps
Max Licensed Devices	150	200	2,000	2,000	2,000	100	200	2,000	2,000	2,000	Unlimited
Max ADOMs	1	10	50	100	250	1	10	50	100	250	250
Total Interfaces	4x GbE Copper	4x GbE Copper	4x GbE Copper	6x GbE Copper	2x GbE Copper, 2x GbE SFP	-	-	-	-	-	-
Storage Capacity	1x 1 TB	1x 2 TB	1x 2 TB (6 TB Max)	2x 2 TB (12 TB Max)	6x 1 TB (24 TB Max)	1 TB Int/Ext	2 TB Int/Ext	8 TB Int/Ext	12TB Int/Ext	12TB Int / 24 TB Ext	12 TB Int / Unlimited Ext
RAID Support	No	No	Yes, requires opt. drives (RAID 0,1,10)	Yes, (RAID 0, 1, 5, 10, 50)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	-	-	-	-	-	-



## FortiAP

Wireless Access Point - Extending FortiGate Wireless connectivity

	FAP-210B	FAP-220B	FAP-221B	FAP-222B
Target Environment	Indoor	Indoor	Indoor	Indoor/Outdoor
Number of Radio	1	2	2	2
Number of Antennas	2 Internal	4 Internal	4 Internal	4 External
TX / RX Streams (802.11n)	2x2 MIMO Dual Stream - 300 Mbps Total	2x2 MIMO Dual Stream - 600 Mbps Total	2x2 MIMO dual spatial stream - 600 Mbps Total	2x2 MIMO Dual Stream - 600 Mbps Total
Simultaneous SSIDs	8 (7 for client access, 1 for monitoring)	16 (14 for client access, 2 for monitoring)	16 (14 for client access, 2 for monitoring)	16 (14 for client access, 2 for monitoring)
Max Transmission Power	17dBm (50mW)	17dBm (50mW)	17dBm (50mW)	27dBm (500mW) hardware capable – limited by software for regulatory compliance
Ethernet Interface	1x GbE Copper	1x GbE Copper	1x GbE Copper	1x GbE Copper
Power over Ethernet (PoE)	802.3af (15.4W)	802.3af (15.4W)	802.3af (15.4W)	PoE power injector supplied



## FortiSwitch

Access Switch - Wired connectivity for secured network access

	FSW-80-PoE	FSW-124B-PoE	FSW-248B-DPS	FSW-324B-PoE	FSW-548B
Total Interfaces	8x GE Copper (Include 4x PoE)	24x FE (include 12x PoE), 2x Shared Port Pair	48x GbE Copper, 1x mgmt, 4x 10G	20x GE Copper PoE (include 4x PoE+), 4x Shared Port Pair	48x 10G, 1x mgmt
Switch Capability	2 Gbps	8.8 Gbps	176 Gbps	48 Gbps	960 Gbps
Max VLANs	-	64	3965 (VTP v1/v2)	4096 (VTP v1/v2)	3965 (VTP v1/v2)
Link Aggregation (Max Group Size / Max Groups)	-	2 / 3	8 / 8	8 / 8	8 / 8
Power Budget	62 W	100 W	-	185 W	-



## FortiAuthenticator

Authentication Server - Identity Management, User Access Control and multi-factor identification

	FAC-400C	FAC-1000C	FDB-3000B	FAC-VM Base	FAC-VM-100-UG	FAC-VM-1000-UG	FAC-VM-10000-UG	FAC-VM-100000-UG
Max Local/Remote Users	2,000 / 2,000	10,000 / 10,000	20,000 / 20,000	100 / 100	+100 / +100	+1,000 / +1,000	+10,000 / +10,000	+100,000 / +100,000
Max User Groups	50	500	2,000	10	+10	+100	+1,000	+10,000
Max FortiToken	2,000	10,000	20,000	200	+200	+2,000	+20,000	+200,000
Max NAS Devices	10	50	250	10	+10	+100	+1,000	+10,000
Max. CA Certificates	20	50	250	5	+5	%50	+500	+500
Max. User Certificates	500	2,000	200,000	100	+100	+1,000	+10,000	+100,000
Total Interfaces	4x GbE Copper	4x GbE Copper	4x GbE Copper	-	-	-	-	-
Storage Capacity	1x 1 TB	1x 1 TB	1x 1 TB				60 GB / 2 TB (Min / Max)	



## FortiMail

Messaging Security - Advanced antispam and antivirus filtering capabilities, with extensive quarantine and archiving capabilities

	FML-200D	FML-400C	FML-2000B	FML-3000C	FML-5002B	FML-VM01	FML-VM02	FML-VM04	FML-VM08
Email Routing (Msg/Sec)	200,000	400,000	1.5 Mil	2.0 Mil	2.3 Mil	90,000	265,000	1.32 Mil	1.76 Mil
Performance AS+AV (Msg/Sec)	175,000	320,000	1.2 Mil	1.6 Mil	2.0 Mil	77,000	185,400	1.05 Mil	1.40 Mil
Email Domains	50	500	5,000	5,000	10,000	50	500	5,000	5,000
Server Mode Mailboxes	200	1,000	3,000	3,000	3,000	200	1,000	1,000	1,000
Total Interfaces	4x GbE Copper	4x GbE Copper	6x GbE Copper	4x GbE copper, 2x GbE SFP	3x GbE Copper	-	-	-	-
Storage Capacity	1x 1 TB	2x 1 TB	2x 1 TB (6 TB Max)	2x 1 TB (6 TB Max)	1x 146GB	50 GB - 1 TB	50 GB - 1 TB	50 GB - 2 TB	50 GB - 2 TB



## FortiWeb

Web Application Security - Web application firewall to protect, balance, and accelerate web applications

	FWB-400C	FWB-1000C	FWB-3000C	FWB-4000C	FWB-VM02	FWB-VM04	FWB-VM08
Throughput (HTTP)	100 Mbps	500 Mbps	1 Gbps	2 Gbps	100 Mbps	500 Mbps	1 Gbps
Max HTTP Trans/sec	10,000	27,000	40,000	70,000	8,000	24,000	36,000
Total Interfaces	4x GbE Copper	2x GbE Copper, 2x GbE Bypass	4x GbE Copper, 2x GbE Bypass	4x GbE Copper, 2x GbE Bypass	-	-	-
Storage Capacity	1x 1 TB	1x 1 TB	2x 1 TB (6 TB Max)	2x 1 TB (6 TB Max)	40 GB (Min)	40 GB (Min)	40 GB (Min)



## FortiBalancer

Application Delivery Controllers - Optimize the availability, user experience, performance and scalability

	FBL-400	FBL-1000	FBL-2000	FBL-3000
Throughput (HTTP)	2 Gbps	4 Gbps	10 Gbps	30 Gbps
Max Connections	1 Mil	4 Mil	8 Mil	16 Mil
Layer 7 RPS	140 K	230 K	1.15 Mil	2 Mil
SSL TPS	7,500	13,500	22,500	45,000
SSL Throughput	1 Gbps	1.6 Gbps	5 Gbps	10 Gbps
Total Interfaces	4x GbE Copper	8x GbE Copper, 2x GbE SFP	2x 10G, 12x GbE Copper, 4x GbE SFP	4x 10G, 16x GbE Copper, 4x GbE SFP



## FortiDDoS

Hardware Accelerated DDoS Defense - Intent Based Protection against DDOS

	FDD-100A	FDD-200A	FDD-300A
Throughput (Full Duplex)	1 Gbps	2 Gbps	3 Gbps
Simultaneous Connections	1 Mil	2 Mil	3v Mil
Session Setup/Teardown	100 K/Sec	200 K/Sec	300 K/Sec



## FortiCache

Web Caching Appliance - Reduce the cost and impact of downloaded content, while increasing performance & users experience

	FCH-400C	FCH-1000C	FCH-3000C
Total Interfaces	4x GbE Copper	4x GbE Copper	4x GbE Copper, 2x GbE SFP
Performance (HTTP)	80 Mbps	200 Mbps	500 Mbps
Local Storage Capacity	1x 1TB	1x 2 TB (4 TB Max)	4x 1 TB (6 TB Max)



## FortiDB

Database Security and Compliance - Database activity monitoring and vulnerability assessment

	FDB-400B	FDB-1000C	FDB-2000B
Max DB Instances	10	30	60



## FortiScan

Vulnerability and Compliance Management

	FSC-3000C	FSC-VM
Max. Assets	20,000	20,000



## FortiDNS

Secure Caching DNS Server

	FNS-3000C	FNS-400C
Max Queries per Sec.	30,000	60,000
Max DNS Clients	10,000	10,000

Also Available



**FortiBridge**  
Failopen Appliance



**FortiClient**  
Host based Security Client



**FortiToken**  
2 Factor Authentication Token

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