Fortinet Product Matrix

AUGUST 2013

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

	FG/FWF-30D	FG/FWF-40C	FG/FWF-60C	FG/FWF-60D	FG/FWF-90D	FG-100D	FG-200D	FG-240D	FG-300C	FG-600C
Firewall Throughput (1518/512/64 byte UDP)	800 / 800 / 800 Mbps	200 / 200 / 200 Mbps	1 / 1 / 1 Gbps	1.5 / 1.5 /1.5 Gbps	3.5 / 3.5 /3.5 Gbps	2500 / 1000 / 200 Mbps	3 / 3 / 3 Gbps	4 / 4 / 4 Gbps	8 / 8 / 8 Gbps	16 / 16 /16 Gbps
Firewall Latency	8 µs	3 µs	4 µs	4 µs	4 µs	37 µs	2 µs	6 µs	2 µs	7 µs
Concurrent Sessions	200,000	40,000	400,000	500,000	1.5 Mil	3 Mil	1.4 Mil	3.2 Mil	2 Mil	3 Mil
New Sessions/Sec	3,500	2,000	3,000	4,000	4,000	22,000	77,000	77,000	50,000	70,000
Firewall Policies	5,000	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	10,000
IPSec VPN Throughput	350 Mbps	60 Mbps	70 Mbps	1 Gbps	1 Gbps	450 Mbps	1.3 Gbps	1.3 Gbps	4.5 Gbps	8 Gbps
Max G/W to G/W IPSEC Tunnels	20	20	50	200	200	2,000	2,000	2,000	2,000	2,000
Max Client to G/W IPSEC Tunnels	250	250	500	500	1,000	5,000	5,000	5,000	10,000	50,000
SSL VPN Throughput	25 Mbps	17 Mbps	19 Mbps	30 Mbps	35 Mbps	300 Mbps	400 Mbps	400 Mbps	200 Mbps	1 Gbps
Recommended SSL VPN Users	80	80	100	100	200	300	300	300	500	5,000
IPS Throughput	150 Mbps	135 Mbps	135 Mbps	200 Mbps	275 Mbps	950 Mbps	1.7 Gbps	2.1 Gbps	1.4 Gbps	4 Gbps
Antivirus Throughput (Proxy-Based/ Flow-Based)	30 / 40 Mbps	20 / 40 Mpbs	20 / 40 Mbps	35 / 50 Mbps	35 / 65 Mbps	300 / 700 Mbps	600 / 1,100 Mbps	600 / 1,100 Mbps	200 / 550 Mbps	1.3 / 2.8 Gbps
Max FortiAPs (Tunnel, Bridge)	-	5, 5	5, 5	5, 5	16, 16	32, 32	32, 32	32, 32	256, 256	512, 512
Max FortiTokens	20	100	100	100	100	1,000	1,000	1,000	1,000	1,000
Max Registered FortClient	10	10	200	200	200	2,000	2,000	2,000	2,000	2,000
Virtual Domains (Default/Max)	-		10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Interfaces (FE, GE ports)	5x GE RJ45	7x GE RJ45	8x GE RJ45	10x GE RJ45	16x GE RJ45	20x GE RJ45, 2x Shared Port Pairs (100D only)	18x GE RJ45, 2x GE SFP	42x GE RJ45, 2x GE SFP	10x GE RJ45	18x GE RJ45, 4x Shared Port Pairs, 2x Bypass Pairs
Interfaces (Others)	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	FWF - a/b/g/n	-	-	-	-	-
Local Storage	-	-	-	32 GB	32 GB	32 GB	16 GB	32 GB	32 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	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. Dual PS or Ext RPS
Form Factor	Desktop	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	WiFi, LENC	WiFi, Anal.Modem, Wifi+Ana. Modem, LENC, SFP, POE, ADSL	WiFi	WiFi	LENC, High port density, High port density + POE	-	-	DC, LENC	DC, LENC

	FG-800C	FG-1000C	FG-1240B	FG-3040B	FG-3140B	FG-3240C	FG-3600C	FG-3950B	FG-5001C	FG-5101C
Firewall Throughput (1518/512/64 byte UDP)	20 / 20 / 20 Gbps	20 / 20 / 20 Gbps	40-44 / 40-44 / 38-42 Gbps	40 / 40 / 40 Gbps	58 / 55 /43 Gbps	40 / 40 /40 Gbps	60 / 60 /60 Gbps	20-120 / 20-120 / 20-120 Gbps	40 / 40 /40 Gbps	40 / 40 /10 Gbps
Firewall Latency	6 µs	6 µs	7 µs	4 µs	4 µs	4 µs	4 µs	4 µs	4 µs	7 µs
Concurrent Sessions	7 Mil	7 Mil	5 Mil	10 Mil	10 Mil	10 Mil	28 Mil	20 Mil	29.5 Mil	10 Mil
New Sessions/Sec	190,000	190,000	120,000	200,000	200,000	200,000	235,000	250,000	210,000	235,000
Firewall Policies	10,000	10,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
IPSec VPN Throughput	8 Gbps	8 Gbps	16 - 18.5 Gbps	17 Gbps	22 Gbps	17 Gbps	25 Gbps	8 - 50.5 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	10,000
Max Client to G/W IPSEC Tunnels	50,000	50,000	50,000	64,000	64,000	64,000	64,000	64,000	64,000	64,000
SSL VPN Throughput	1.3 Gbps	1.3 Gbps	370 Mbps	500 Mbps	500 Mbps	3.4 Gbps	5.3 Gbps	1.2 Gbps	850 Mbps	970 Mbps
Recommended SSL VPN Users	10,000	10,000	1,500	22,000	22,000	30,000	30,000	25,000	30,000	25,000
IPS Throughput	6 Gbps	6 Gbps	5 - 8 Gbps	6 Gbps	8.4 Gbps	8 Gbps	14 Gbps	5- 20 Gbps	9.8 Gbps	9.4 Gbps
Antivirus Throughput (Proxy-Based/ Flow-Based)	1.7 / 3.1 Gbps	1.7 / 3.1 Gbps	1.2 / 1.6 Gbps	2.3 / 4.5 Gbps	2.3 / 5.7 Gbps	2.6 / 9 Gbps	5.8 / 18 Gbps	4 / 5 - 15 Gbps	3 / 4 Gbps	2 / 5 Gbps
Max FortiAPs (Tunnel, Bridge)	512, 512	1024, 3072	1024, 3072	1024, 3072	1024, 3072	1024, 3072	1024, 3072	1024, 3072	1024, 3072	1024, 3072
Max FortiTokens	1,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Max Registered Endpoints	2,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000
Virtual Domains (Default/Max)	10 / 10	10 / 250	10 / 250	10 / 250	10 / 250	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500
Interfaces (GE ports)	14x GE RJ45, 8x Shared Port Pairs, 2x Bypass Pairs	14x GE RJ45, 8x Shared Port Pairs, 2x Bypass Pairs	16x GE RJ45, 24x GE SFP	2x GE RJ45, 10x GE SFP	2x GE RJ45, 10x GE SFP	2x GE RJ45, 16x GE SFP	2x GE RJ45, 16x GE SFP	2x GE RJ45, 4x GE SFP	2x GE RJ45	2x GE RJ45
Interfaces (10GE ports)	2x 10GE SFP+	2x 10GE SFP+	-	8x 10GE SFP+	10x 10GE SFP+	12x 10GE SFP+	12x 10GE SFP+	2x 10GE SFP+	2x 10GE SFP+	4x 10GE SFP+
Local Storage	64 GB	128 GB	64 GB (384 GB Max)	64 GB (256 GB Max)	64 GB (256 GB Max)	64 GB	128 GB	256 GB	128 GB	64 GB
Power Supplies	Single AC Power Supply, opt. Dual PS or Ext RPS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Chassis Based	Chassis Based
Form Factor	Rack Mount, 1 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 2 RU	Rack Mount, 3 RU	Rack Mount, 3 RU	ATCA Blade	ATCA Blade
Variants	DC, LENC	DC	DC, LENC	DC, LENC	DC	-	DC, LENC	-	-	-

FG-VM01, FG-VM02, FG-VM04, FG-VM08 Virual Appliances

VM Supported	VMware vSphere v4.0/4.1/5.0/5.1, Citrix Xen Server v5.6 SP2/v6.0, Microsoft Hyper-V 2008 SP2/2012, Xen, KVM

* Featured Top selling models, for complete FortiGate offerngs please visit www.fortinet.com. Specifications based on FortiOS V5.0.4+

FortiManager
Centralized Management Platform - Tools that effectively manage Fortinet security infrastructure

	FMG-200D	FMG-300D	FMG-1000C	FMG-4000D	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/ADoms	30	300	800	5,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
Max Web Portals/Users	-	-	800	5,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
GB Logs/Day	2	2	2	2	2	1	2	5	10	25	50
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
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45	4x GE RJ45, 2x SFP	2x GE RJ45	1 / 4 (vNIC Min / Max)					
Storage Capacity	1x 1 TB	2x 2TB	1x 2 TB (8 TB Max)	8x 2 TB	1x 80 GB	80 GB / 16 TB (Min / Max)					

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

	FAZ-200D	FAZ-300D	FAZ-1000C	FAZ-2000B	FAZ-3000D	FAZ-4000B	FAZ-VM-BASE	FAZ-VM-GB1	FAZ-VM-GB5	FAZ-VM-GB25	FAZ-VM-GB100
GB Logs/Day	5	15	25	75	350	Unlimited*	1	+1	+5	+25	+100
Sessions/Day	18 Mil	55 Mil	85 Mil	260 Mil	520 Mil	Unlimited*	3.5 Mil	3.5 Mil	18 Mil	85 Mil	360 Mil
Max Log Rate (standalone Mode)	350	625	1,000	3,000	6,000	Unlimited*	-	-	-	-	-
Max. Licensed Devices/ADoms	150	200	2,000	2,000	2,000	2,000	10,000	10,000	10,000	10,000	10,000
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45	6x GE RJ45	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x GE SFP	-	-	-	-	-
Storage Capacity	1x 1 TB	2x 2 TB	1x 2 TB (8 TB Max)	2x 2 TB (12 TB Max)	8x 2 TB	6x 1 TB (24 TB Max)	200 GB	+200 GB	+1 TB	+8 TB	+16 TB
RAID Support	No	Yes (RAID 0,1)	Yes, requires opt. drives (RAID 0,1,10)	Yes, (RAID 0, 1, 5, 10, 50)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	-	-	-	-	-

* Only restricted to the hardware platform performance (e.g. there are no software licensing limitations)

FortiAP
Wireless Access Point - Extending FortiGate Wireless connectivity

	FAP-11C	FAP-14C	FAP-28C	FAP-112B	FAP-221B/223B	FAP-222B	FAP-320B
Target Environment	Remote	Remote	Remote	Indoor/Outdoor	Indoor	Indoor/Outdoor	Indoor
Number of Radio / Antennas	1 / 1 Internal	1 / 1 Internal	1 / 2 Internal	1 / 1 Internal	221B: 2 / 4 Int. 223B: 2 / 4 Ext.	2 / 4 External	2 / 6 internal
TX / RX Streams (802.11n)	1x1 MIMO - 150 Mbps	1x1 MIMO - 150 Mbps	2x2 MIMO - 300 Mbps	1x1 MIMO - 150 Mbps	2x2 MIMO dual spatial stream - 600 Mbps Total	2x2 MIMO dual spatial stream - 600 Mbps Total	3x3 MIMO with 3 spatial streams - 900 Mbps Total
Simultaneous SSIDs	8 (7 for client access, 1 for monitoring)	8 (7 for client access, 1 for monitoring)	8 (7 for client access, 1 for monitoring)	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)	24 dBm (250mW) *	17dBm (50mW)	27dBm (500mW) hardware capable	24 dBm (250mW) *
Ethernet Interface	2x GE RJ45	5x FE	10x GE RJ45	2x FE	1x GE RJ45	1x GE RJ45	2x GE RJ45
Power over Ethernet (PoE)	-	-	-	802.3af (15.4W)	802.3af (15.4W)	802.3at	802.3af / 802.3at

* Frequency selection and power may be restricted to abide by regional regulatory compliance laws.

FortiSwitch
Access Switch - Wired connectivity for secured network access

	FSW-28C	FSW-80-PoE	FSW-124B-PoE	FSW-224B-PoE	FSW-324B-PoE	FSW-348B	FSW-448B	FSW-548B
Total Interfaces	10x GE RJ45	8x GE RJ45 (Include 4x PoE)	24x FE (include 12x PoE), 2x Shared Port Pair	16x GE PoE, 4x GE PoE+, 4x Shared Port Pairs	16x GE PoE, 4x GE PoE+, 4x Shared Port Pairs	48 GE RJ45, 2x Shared Port Pairs	48 GE RJ45, 2x 10GE SFP+	48x 10G, 1x mgmt
Switch Capability	16 Gbps	2 Gbps	8.8 Gbps	48 Gbps	48 Gbps	96 Gbps	136 Gbps	960 Gbps
Max VLANs	4096 (VTP v1/v2)	-	64	512	4096 (VTP v1/v2)	4096 (VTP v1/v2)	4096 (VTP v1/v2)	3965 (VTP v1/v2)
Power Budget	-	62 W	100 W	185 W	185 W	-	-	-
FortiGate Switch Controller Support	Yes (Remote Switch)	-	-	-	Yes	Yes	-	-

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

	FAC-200C	FAC-400C	FAC-1000C	FAC-3000D	FAC-VM Base	FAC-VM-100-UG	FAC-VM-1000-UG	FAC-VM-10000-UG	FAC-VM-100000-UG
Max Local/Remote Users/ User Group	500 / 500 / 25	2,000 / 2,000 / 50	10,000 / 10,000 / 500		100 / 100 / 10	+100 / +100 / +10	+1,000 / +1,000 / +100	+10,000 / +10,000 / +1,000	+100,000 / +100,000 / +10,000
Max FortiToken	500	2,000	10,000		200	+200	+2,000	+20,000	+200,000
Max NAS Devices	50	10	50		10	+10	+100	+1,000	+10,000
Max. CA Certificates / User Certificates	2 / 500	20 / 500	50 / 2,000		5 / 100	+5 / +100	+50 / +1,000	+500 / +10,000	+500 / +100,000
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45		-	-	-	-	-
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-3000D	FML-5002B	FML-VM01	FML-VM02	FML-VM04	FML-VM08
Email Routing (Msg/Hr)	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/Hr)	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 GE RJ45	4x GE RJ45	6x GE RJ45	4x GE RJ45, 2x GE SFP	3x GE RJ45	-	-	-	-
Storage Capacity	1x 1 TB	2x 1 TB	2x 1 TB (6 TB Max)	2x 2 TB (12 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-3000D/Fsx	FWB-4000D	FWB-VM02	FWB-VM04	FWB-VM08
Throughput (HTTP)	100 Mbps	500 Mbps	1.5 Gbps	4 Gbps	100 Mbps	500 Mbps	1 Gbps
Max HTTP Trans/sec	10,000	27,000	60,000	100,000	8,000	24,000	36,000
Total Interfaces	4x GE RJ45	2x GE RJ45, 2x GE Bypass	4x GE RJ45, 2x GE Bypass	6x GE RJ45, 2x GE RJ45 Bypass, 2x GE SX Bypass	-	-	-

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

	FAD-200D	FAD-300E	FBL-400	FBL-1000	FBL-2000	FBL-3000	FAD-VM01/VM02/VM04/VM08
Throughput (HTTP)	2.7 Gbps	4.8 Gbps	2 Gbps	4 Gbps	10 Gbps	30 Gbps	
Max Connections	500 K	2 Mil	1 Mil	4 Mil	8 Mil	16 Mil	
Layer 7 RPS	70 K	75 K	140 K	230 K	1.15 Mil	2 Mil	Hardware Dependent
SSL TPS	4,000	7,500	7,500	13,500	22,500	45,000	
SSL Throughput	500 Mbps	1.5 Gbps	1 Gbps	1.6 Gbps	5 Gbps	10 Gbps	
Total Interfaces	4x GE RJ45	6x GE RJ45	4x GE RJ45	8x GE RJ45, 2x GE SFP	2x 10G, 12x GE RJ45, 4x GE SFP	4x 10G, 16x GE RJ45, 4x GE 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	FCH-3000D	FCH-VM01	FCH-VM02	FCH-VM04	FCH-VM08
Total Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45, 2x GE SFP	4x GE RJ45, 2x GE SFP, 2x GE RJ45 Bypass	1 Virtual NIC min (4 Max)			
Performance (HTTP)	80 Mbps	200 Mbps	500 Mbps	800 Mbps	Hardware Dependent			
Local Storage Capacity	1x 1TB	1x 2 TB (8 TB Max)	4x 1 TB (6 TB Max)	4x 2 TB (16 TB Max)	60 GB (2 TB Max)	60 GB (4 TB Max)	60 GB (6 TB Max)	60 GB (8 TB Max)

FortiScan
Vulnerability and Compliance Management

	FSC-3000D	FSC-VM-BASE	FSC-VM-100-UG	FSC-VM-1000-UG	FSC-VM-5000-UG	FSC-VM-20000-UG
Max. Assets	20,000	10	+100	+1,000	+5,000	+20,000

FortiDNS
Secure Caching DNS Server

	FNS-400C	FNS-1000C	FNS-3000D
Max Queries per Sec.	30,000	60,000	100,000
Max DNS Clients	10,000	10,000	10,000

FortiDB
Database activity monitoring and vulnerability assessment

	FDB-400C	FDB-1000C	FDB-2000B
Max DB Instances	10	30	60
Local Storage Capacity	1 TB	1 TB (2 TB Max)	1 TB (6 TB Max)

Also Available

FortiBridge
Failopen Appliance

FortiVoice
Secure VoIP Solution

FortiClient
Host based Security Client

FortiCamera
Network-based Video Security

FortiToken
2 Factor Authentication Token