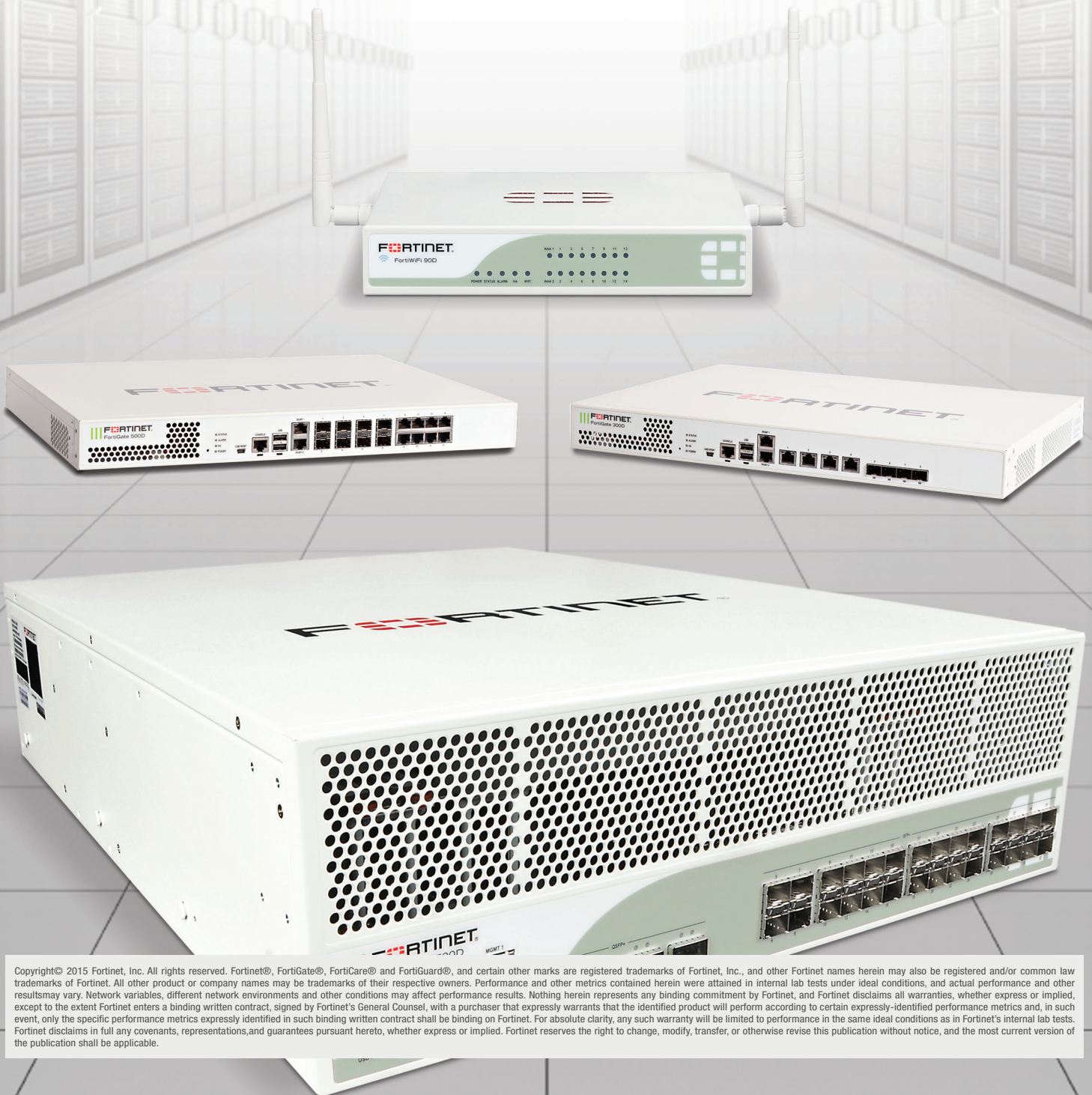


## PRODUCT MATRIX



OCTOBER 2015



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# FortiGate® Network Security Platform - \*Top Selling Models Matrix

	FG/FWF-30D	FG/FWF-60D	FG-70D FG/FWF-90D	FG/FWF-92D	FG-100D	FG-200D	FG-300D	FG-400D	FG-500D	FG-600D
Firewall Throughput (1518/512/64 byte UDP)	0.8 / 0.8 / 0.8 Gbps	1.5 / 1.5 / 1.5 Gbps	3.5 / 3.5 / 3.5 Gbps	2.0 Gbps ****	2.5 Gbps ****	3 / 3 / 3 Gbps	8 / 8 / 8 Gbps	16 / 16 / 16 Gbps	16 / 16 / 16 Gbps	36 / 36 / 24 Gbps
Firewall Latency	8 µs	4 µs	4 µs	46 µs	37 µs	2 µs	3 µs	3 µs	3 µs	3 µs
Concurrent Sessions	200,000	500,000	2 Million	1.5 Million	3 Million	3.2 Million	6 Million	5.5 Million	6 Million	5.5 Million
New Sessions/Sec	3,500	4,000	4,000	22,000	22,000	77,000	200,000	200,000	250,000	270,000
Firewall Policies	5,000	5,000	5,000	5,000	10,000	10,000	10,000	10,000	10,000	10,000
IPSec VPN Throughput	350 Mbps	1 Gbps	1 Gbps	130 Mbps	450 Mbps	1.3 Gbps	7 Gbps	14 Gbps	14 Gbps	20 Gbps
Max G/W to G/W IPSEC Tunnels	20	200	200	200	2,000	2,000	2,000	2,000	2,000	2,000
Max Client to G/W IPSEC Tunnels	250	500	1,000	1,000	5,000	5,000	10,000	10,000	10,000	10,000
SSL VPN Throughput	25 Mbps	30 Mbps	35 Mbps	170 Mbps	300 Mbps	400 Mbps	350 Mbps	350 Mbps	400 Mbps	2.2 Gbps
Recommended SSL VPN Users	80	100	200	200	300	300	500	500	500	5,000
IPS Throughput	150 Mbps	200 Mbps	275 Mbps	950 Mbps	950 Mbps	1.7 Gbps	2.8 Gbps	2.8 Gbps	4.7 Gbps	7 Gbps
Antivirus Throughput ***	30 Mbps	35 Mbps	35 Mbps	300 Mbps	300 Mbps	600 Mbps	1.4 Gbps	1.4 Gbps	1.7 Gbps	3 Gbps
Max FortiAPs (Total / Tunnel)	2 / 2	10 / 5	32 / 16	32 / 16	64 / 32	128 / 64	512 / 256	512 / 256	512 / 256	1024 / 512
Max FortiTokens	20	100	100	100	1,000	1,000	1,000	1,000	1,000	1,000
Max Registered FortClient	200	200	200	200	600	600	600	600	2,000	2,000
Virtual Domains ( Default/Max)	-	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Interfaces	5x GE RJ45	10x GE RJ45	16x GE RJ45	16x GE RJ45	20x GE RJ45, 2x Shared Port Pairs (100D only)	18x GE RJ45, 2x GE SFP	6x GE RJ45, 4x GE SFP	10x GE RJ45, 8x GE SFP	10x GE RJ45, 8x GE SFP	2x 10 GE SFP+, 10x GE RJ45, 8x GE SFP
Local Storage	-	-	FG/FWF-90D: 32 GB	16 GB	32 GB	64 GB	120 GB	-	120 GB	120 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. Ext RPS	Single AC Power Supply, opt. Ext RPS	Single AC Power Supply, opt. 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	Rack Mount, 1 RU
Variants	WiFi, POE	WiFi, POE, LENC	WiFi, POE, LENC, High port density + POE	WiFi	LENC, High port density, High port density + POE	LENC, POE, High port density, High port density + POE	LENC	-	LENC	-
	FG-900D	FG-1000D	FG-1200D	FG-1500D	FG-3000D	FG-3100D	FG-3200D	FG-3700D	FG-3810D	FG-5001D
Firewall Throughput (1518/512/64 byte UDP)	52 / 52 / 33 Gbps	52 / 52 / 33 Gbps	72 / 72 / 50 Gbps	80 / 80 / 55 Gbps	80 / 80 / 50 Gbps	80 / 80 / 50 Gbps	80 / 80 / 50 Gbps	160 / 160 / 110 Gbps	320 / 300 / 150 Gbps	80 / 80 / 45 Gbps
Firewall Latency	3 µs	3 µs	3 µs	3 µs	3 µs	3 µs	3 µs	2 µs	5 µs	3 µs
Concurrent Sessions	11 Million	11 Million	11 Million	12 Million	50 Million	50 Million	50 Million	50 Million	95 Million	23 Million
New Sessions/Sec	280,000	280,000	290,000	300,000	400,000	400,000	400,000	400,000	480,000	565,000
Firewall Policies	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
IPSec VPN Throughput	25 Gbps	25 Gbps	40 Gbps	50 Gbps	50 Gbps	50 Gbps	50 Gbps	100 Gbps	135 Gbps	25 Gbps
Max G/W to G/W IPSEC Tunnels	2,000	20,000	20,000	20,000	20,000	20,000	20,000	40,000	40,000	40,000
Max Client to G/W IPSEC Tunnels	50,000	50,000	50,000	50,000	64,000	64,000	64,000	64,000	64,000	64,000
SSL VPN Throughput	3.6 Gbps	3.6 Gbps	3.6 Gbps	4 Gbps	8 Gbps	8 Gbps	8 Gbps	10 Gbps	10 Gbps	6.5 Gbps
Recommended SSL VPN Users	10,000	10,000	10,000	10,000	30,000	30,000	30,000	30,000	30,000	25,000
IPS Throughput	8 Gbps	8 Gbps	11 Gbps	11 Gbps	14 Gbps	14 Gbps	14 Gbps	23 Gbps	25 Gbps	18 Gbps
Antivirus Throughput ***	3.5 Gbps	3.5 Gbps	3.5 Gbps	4.3 Gbps	5.7 Gbps	5.7 Gbps	5.7 Gbps	7.5 Gbps	7.5 Gbps	5.6 Gbps
Max FortiAPs (Total, Tunnel)	1,024 / 512	4,096 / 1,024	4,096 / 1,024	4,096 / 1,024	4096 / 1024	4096 / 1024	4096 / 1024	4,096 / 1,024	4,096 / 1,024	4,096 / 1,024
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	20,000	20,000	20,000	20,000	20,000	20,000
Virtual Domains ( Default/Max)	10 / 10	10 / 250	10 / 250	10 / 250	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500
Interfaces	2x 10 GE SFP+, 16x GE SFP, 18x GE RJ45	2x 10 GE SFP+, 16x GE SFP, 18x GE RJ45	4x 10GE SFP+/ GE SFP, 16x GE SFP, 18x GE RJ45	8x 10GE SFP+/ GE SFP, 16x GE SFP, 18x GE RJ45	16x 10GE SFP+/ GE SFP, 2x GE RJ45	32x 10GE SFP+/ GE SFP, 2x GE RJ45	48x 10GE SFP+/ GE SFP, 2x GE RJ45	4x 40GE QSFP+, 20x 10GE SFP+/ GE SFP, 8x SFP+, 2x GE RJ45	6x 100GE CFP2, 2x GE RJ45	2x 40GE QSFP+, 2x 10GE SFP+, 2x GE RJ45
Local Storage	256 GB	256 GB	240 GB	240 GB	480 GB	480 GB	960 GB	960 GB	960 GB	200 GB
Power Supplies	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS	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, 2 RU	Rack Mount, 3 RU	Rack Mount, 3 RU	ATCA Blade
Variants	-	LENC	-	DC, LENC	DC	DC	DC	DC	DC	-

FortiGuard Subscription Based Security Service Options: NGFW (IPS and Application control), AV, Web Filtering and Antispam

\* Featured Top selling models, for complete FortiGate offerings please visit [www.fortinet.com](http://www.fortinet.com). FortiGate virtual appliances are also available. Specifications based on FortiOS V5.2+  
 \*\* With FMC-XH0, \*\*\* Proxy based AV \*\*\*\* Firewall Throughput performance is measured using UDP 1518 Bytes based on RFC 2544

## FortiManager™ Centralized Management Platform

	FMG-200D	FMG-300D	FMG-1000D	FMG-3900E	FMG-4000E	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	1,000	10,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
Max Web Portals/Users	-	-	1,000	10,000	4,000	10	+10	+100	+1,000	+5,000	Unlimited
GB Logs/Day	2	2	2	10	10	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, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS
Total Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45, 2x SFP	2x GE, 2x GE SFP+	4x GE RJ45, 2x SFP	1 / 4 (vNIC Min / Max)					
Storage Capacity	1x 1 TB	2x 2TB	4x 2 TB	15x 1TB	8x 2 TB	80 GB / 16 TB (Min / Max)					

## FortiAnalyzer™ Centralized Logging & Reporting Solution

	FAZ-200D	FAZ-300D	FAZ-1000D	FAZ-2000B	FAZ-3000E	FAZ-3500E	FAZ-3900E	FAZ-VM-BASE	FAZ-VM-GB1	FAZ-VM-GB5	FAZ-VM-GB25	FAZ-VM-GB100
GB Logs/Day	5	15	75	200	800	3,000	4,000	1	+1	+5	+25	+100
Sustained Log Rate (Log/sed)	120	200	350	1,500	15,000	36,000	48,000	-	-	-	-	-
Peak Log Rate (standalone Mode)	350	625	1,000	5,000	50,000	60,000	75,000	-	-	-	-	-
Max. Licensed Devices/VDOMs/ADOMS	150	175	2,000	2,000	4,000	4,000	4,000	10,000	10,000	10,000	10,000	10,000
Total Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45, 2x SFP	6x GE RJ45	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x GE SFP	2x GE RJ45, 2x GE SFP+	-	-	-	-	-
Storage Capacity	1x 1 TB	2x 2 TB	4x 2 TB	2x 2 TB (12 TB Max)	8x 2 TB (16 TB Max)	12x 2 TB (48 TB Max)	15x 1 TB	200 GB	+200 GB	+1 TB	+8 TB	+16 TB
RAID Support	No	Yes (Mirrored)	Yes, (RAID 0, 1, 5, 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)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	-	-	-	-	-

## FortiAP™ (Indoor) Wireless Access Point

	FAP-24D	FAP-221B/223B	FAP-221C/223C	FAP-320B	FAP-320C	FAP-321C
Suggested Use Case	Low density indoor	Medium density indoor	Medium density indoor	Indoor high performance AP	high density 802.11ac, streaming app resilience	Medium density 802.11ac without resilience
IEEE Standard	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n/vac	802.11 a/b/g/n	802.11 a/b/g/n/vac	802.11 a/b/g/n/vac
Number of Radio / Antennas	1 / 2 Internal	221B: 2 / 4 Int. 223B: 2 / 4 Ext.	221C: 2 / 4 Int. 223C: 2 / 4 Ext.	2 / 6 internal	2 / 6 internal	2 / 6 internal
MIMO (Total Association Rate)	2x2 MIMO dual spatial stream (300 Mbps Total)	2x2 MIMO dual spatial stream (600 Mbps Total)	2x2 MIMO dual spatial stream (1,167 Mbps Total)	3x3 MIMO with 3 spatial streams (900 Mbps Total)	3x3 MIMO with 3 spatial streams (1,750 Mbps Total)	3x3 MIMO with 3 spatial streams (1,750 Mbps Total)
Total (Client access + Monitoring) Simultaneous SSIDs	16	16	16	16	16	16
Ethernet Interface	1x GE WAN, 4x FE LAN	1x GE RJ45	1x GE RJ45	2x GE RJ45	2x GE RJ45	1x GE RJ45

\* Frequency selection and power may be restricted to abide by regional regulatory compliance laws. For Complete selection of FortiAPs, including remote and outdoor devices, please refer to Fortinet Wireless Solution Matrix

## FortiSwitch™ Secured Access Switch

	FSW-108D-POE	FSW-124D/-POE	FSW-224D-POE	FSW-224D-FPOE	FSW-248D-FPOE	FSW-424D-FPOE	FSW-524D-FPOE	FSW-548D-FPOE
Total Interfaces (Incl. PoE/+ ports)	8x GE RJ45 ports, 2x Shared Port Pairs	24x GE RJ45, 2x GE SFP	20x GE RJ45, 4x GE Shared Port Pairs	24x GE RJ45, 4x GE SFP	48x GE RJ45, 4x GE SFP	24x GE RJ45, 2x 10GE SFP+	24x GE RJ45, 4x 10 GE SFP+ , 2x 40 GE QSFP+	48x GE RJ45, 4x 10 GE SFP+ , 2x 40 GE QSFP+
GE RJ45 PoE/PoE+ Interfaces	8x PoE	- / 12x PoE	12x PoE	24x PoE/+	48x PoE/+	24x PoE/+	24x PoE/+	48x PoE/+
Switch Capability	20 Gbps	52 Gbps	48 Gbps	56 Gbps	104 Gbps	88 Gbps	288 Gbps	336 Gbps
PoE Power Budget	75 W	- / 100 W	180 W	370 W	370 W	370 W	400W	750 W

For Complete selection of FortiSwitches, please refer to <http://www.fortinet.com/products/fortiswitch>

## FortiAuthenticator™ User Identity Management Server

	FAC-200D	FAC-400C	FAC-1000D	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 / 2,000	40,000 / 40,000 / 4,000	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	40,000	200	+200	+2,000	+20,000	+200,000
Max NAS Devices	50	200	1,000	4,000	10	+10	+100	+1,000	+10,000

## FortiSandbox™ Advanced Threat Prevention System

	FSA-1000D	FSA-3000D	FSA-VM
VM Sandboxing (Files/Hour)	160	560	Hardware dependent
AV Scanning (Files/Hour)	6,000	15,000	Hardware dependent
Number of VMs	8	28	4, up to 54

FortiGuard Subscription Based Security Service Option: FortiSandbox Update (AV, IPS, Web Filtering, File Query and SandBox Engine Update)

## FortiDDoS™ Hardware Accelerated DDoS Mitigator

	FDD-200B	FDD-400B	FDD-600B	FDD-800B	FDD-900B	FDD-1000B/-DC	FDD-2000B
Throughput (Bidirectional)	4 Gbps	8 Gbps	16 Gbps	16 Gbps	24 Gbps	24 Gbps	48 Gbps
Simultaneous Connections	1 Mil	1 Mil	2 Mil	2 Mil	3 Mil	3 Mil	6 Mil
Session Setup/Teardown	100 K/Sec	100 K/Sec	200 K/Sec	200 K/Sec	300 K/Sec	300 K/Sec	600 K/Sec

FortiGuard Subscription Based Security Service Option: IP Reputation

## FortiMail™ Messaging Security Server

	FML-60D	FML-200D	FML-400C	FML-1000D	FML-3000D
Email Routing* (Msg/Hr)	3,600	76,000	150,000	680,000	1.5 Mil
Performance AS+AV* (Msg/Hr)	2,700	58,000	120,000	500,000	1.3 Mil
Email Domains	2	20	100	800	2,000
Server Mode Mailboxes	50	150	400	1,500	3,000
Storage Capacity	1x 500 GB	1x 1 TB	2x 1 TB	2x 2 TB	2x 2 TB (12 TB Max)

FortiGuard Subscription Based Security Service Options: AV and Anti-spam

\* Measured based on 100KB message size, no queuing.  
Virtual appliances are also available, please refer to [www.fortinet.com](http://www.fortinet.com) for more information

## FortiWeb™ Web Application Firewall

	FWB-100D	FWB-400C	FWB-1000D	FWB-3000E	FWB-4000E
Throughput (HTTP)	25 Mbps	100 Mbps	750 Mbps	5 Gbps	20 Gbps
Total Interfaces	4x GE RJ45	4x GE RJ45	2x GE RJ45, 4x GE RJ45 Bypass, 2x GE SFP	4x 10GE SFP+, 4x GE RJ45, 4x GE RJ45 Bypass, 4x GE SFP	4x 10GE SFP+, 4x GE RJ45, 4x GE RJ45 Bypass, 4x GE SFP

FortiGuard Subscription Based Security Service Options: WAF, AV and IP Reputation

Virtual appliances are also available, please refer to [www.fortinet.com](http://www.fortinet.com) for more information

## FortiADC™ Application Delivery Controller

	FAD-200D	FAD-300D	FAD-400D	FAD-700D	FAD-1500D	FAD-2000D	FAD-4000D
Throughput (HTTP)	2.7 Gbps	5 Gbps	10 Gbps	15 Gbps	20 Gbps	30 Gbps	50 Gbps
Total Interfaces	4x GE RJ45	8x GE RJ45	2x 10 GE SFP+, 4x GE SFP, 4x GE RJ45	4x 10 GE SFP+, 4x GE SFP, 4x GE RJ45	4x 10GE, 8x GE RJ45	4x 10GE, 16x GE RJ45	8x 10GE, 16x GE RJ45

FortiGuard Subscription Based Security Service Option: WAF and IP Reputation

Virtual appliances are also available, please refer to [www.fortinet.com](http://www.fortinet.com) for more information

## Virtual Appliance Support Matrix

	VMWare vSphere v4.0/4.1	VMWare vSphere v5.0/5.1/5.5	VMWare vSphere v6.0	Citrix Xen Server v5.6 SP2	Citrix Xen Server v6.0	Xen	KVM	Amazon AWS	Microsoft Hyper-V 2008 R2	Microsoft Hyper-V 2012	Microsoft Azure
FortiGate-VM *	•	•	•	•	•	•	•	•**	•	•	•
FortiManager-VM	•	•	•	•	•	•	•	•	•	•	•
FortiAnalyzer-VM	•	•	•	•	•	•	•	•**	•	•	•
FortiWeb-VM	•	•	•	•	•	•	•	•	•	•	•
FortiMail-VM	•	•	•	•	•	•	•	•	•	•	•
FortiAuthenticator-VM	•	•	•	•	•	•	•	•	•	•	•
FortiADC-VM	•	•	•	•	•	•	•	•	•	•	•
FortiCache-VM	•	•	•	•	•	•	•	•	•	•	•
FortiVoice-VM	•	•	•	•	•	•	•	•	•	•	•
FortiRecorder-VM	•	•	•	•	•	•	•	•	•	•	•
FortiSandbox-VM	•	5.1/5.5	•	•	•	•	•	•	•	•	•
FortiWAN-VM	•	5.5	•	•	•	•	•	•	•	•	•

\*Available as FortiGate-VMX solution for VMware NSX environment \*\* Also available as AWS on-demand

### Also Available

FortiBridge Failopen Appliance  
 FortiCache Secure Web Cache  
 FortiCamera Network Video Security  
 FortiClient Host Security Client  
 FortiDB Database Security System

FortiDirector Cloud-based SLB System  
 FortiExtender 3G/4G WAN Extender  
 FortiMonitor Unified Risk Management  
 FortiMoM Manager of Managers  
 FortiTap Passive Network Tap

FortiTester Network Tester  
 FortiToken 2 Factor Authentication Token  
 FortiVoice Secure VoIP Solution  
 FortiWAN Link Load Balancer

This document is provided as a convenient comparison of Fortinet products and services. The data sheet for any product or service can be found on [www.fortinet.com](http://www.fortinet.com) should be consulted for the most updated specifications.