FORTINET

FortiGate® Network Security Platform - *Top Selling Models Matrix

	FG/FWF-30E	FG/FWF-50E	FG-60D	FG/FWF-60E	FG-80E
Firewall Throughput (1518/512/64 byte UDP)	0.95 Gbps ****	2.5 Gbps ****	1.5 / 1.5 / 1.5 Gbps	3 / 3 / 3 Gbps	4 / 4 / 4 Gbps
Firewall Latency	130 µs	180 µs	4 µs	3 µs	3 µs
Concurrent Sessions	900,000	1.8 Million	500,000	1.3 Million	1.3 Million
New Sessions/Sec	15,000	21,000	4,000	30,000	30,000
Firewall Policies	5,000	5,000	5,000	5,000	5,000
IPsec VPN Throughput (512 byte) [1]	75 Mbps	90 Mbps	1 Gbps	2 Gbps	2.5 Gbps
Max G/W to G/W IPSEC Tunnels	200	200	200	200	200
Max Client to G/W IPSEC Tunnels	250	250	500	500	2,500
SSL VPN Throughput	35 Mbps	100 Mps	30 Mbps	150 Mbps	200 Mbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	80	80	100	100	200
IPS Throughput [1] (HTTP / Enterprise Mix)	600 / 300 Mbps	800 / 350 Mbps	200 / 50 Mbps	1,400 / 400 Mbps	1.5 Gbps / 450 Mbps
SSL Inspection Throughput (IPS, HTTP) [3]	160 Mbps	185 Mbps	18 Mbps	175 Mbps	180 Mbps
Application Control Throughput (HTTP 64K) [2]	400 Mbps	450 Mbps	90 Mbps	650 Mbps	900 Mbps
NGFW Throughput (Enterprise Mix)[2, 4]	200 Mbps	220 Mbps	30 Mbps	250 Mbps	360 Mbps
Threat Protection Throughput (Ent. Mix)[2, 5]	150 Mbps	160 Mbps	25 Mbps	200 Mbps	250 Mbps
Max FortiAPs (Total / Tunnel)	2 / 2	10 / 5	10 / 5	30 / 10	32 / 16
Max FortiSwitches	8	8	8	8	8
Max FortiTokens	20	100	100	100	100
Max Registered FortClient	200	200	200	200	200
Virtual Domains (Default/Max)	5 / 5	5 / 5	10 / 10	10 / 10	10 / 10
Interfaces	5x GE RJ45	7x GE RJ45	10x GE RJ45	10x GE RJ45	14x GE RJ45, 2x Shared Port Pairs
Local Storage	—	32 GB (51E)	—	128 GB (61E)	128 GB (81E/-POE)
Power Supplies	Single AC PS	Single AC PS	Single AC PS	Single AC PS	Single AC PS
Form Factor	Desktop	Desktop	Desktop	Desktop	Desktop
Variants	WiFi, 3G4G, LENC	WiFi, Dual WiFi, Storage, LENC	LENC	WiFi, Storage, LENC, DSL	POE, Storage

	FG/FWF-90D	FG-100E	FG-200E	FG-300D	FG-300E
Firewall Throughput (1518/512/64 byte UDP)	3.5 / 3.5 /3.5 Gbps	7.4 / 7.4 / 4.4 Gbps	20 / 20 / 9 Gbps	8 / 8 / 8 Gbps	32 / 32 / 20 Gbps
Firewall Latency	4 µs	3 µs	3 µs	3 µs	3 µs
Concurrent Sessions	2 Million	2 Million	2 Million	4 Million	4 Million
New Sessions/Sec	4,000	30,000	135,000	200,000	300,000
Firewall Policies	5,000	10,000	10,000	10,000	10,000
IPsec VPN Throughput (512 byte) [1]	1 Gbps	4 Gbps	9 Gbps	7 Gbps	20 Gbps
Max G/W to G/W IPSEC Tunnels	200	2,000	2,000	2,000	2,000
Max Client to G/W IPSEC Tunnels	2,500	10,000	10,000	50,000	50,000
SSL VPN Throughput	35 Mbps	250 Mbps	900 Mbps	350 Mbps	2.5 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	200	300	300	500	500
IPS Throughput [1] (HTTP / Enterprise Mix)	275 / 50 Mbps	1.9 Gbps / 500 Mbps	6 / 2.2 Gbps	2.8 / 2 Gbps	11 / 5 Gbps
SSL Inspection Throughput (IPS, HTTP) [3]	18 Mbps	190 Mbps	1 Gbps	1.9 Gbps	6.8 Gbps
Application Control Throughput (HTTP 64K) [2]	100 Mbps	1 Gbps	3.5 Gbps	4 Gbps	7 Gbps
NGFW Throughput (Enterprise Mix)[2, 4]	30 Mbps	360 Mbps	1.8 Gbps	1.7 Gbps	3.5 Gbps
Threat Protection Throughput (Ent. Mix)[2, 5]	25 Mbps	250 Mbps	1.2 Gbps	1.5 Gbps	3 Gbps
Max FortiAPs (Total / Tunnel)	32 / 16	64 / 32	128 / 64	512 / 256	512 / 256
Max FortiSwitches	8	24	24	48	48
Max FortiTokens	100	1,000	1,000	1,000	1,000
Max Registered FortClient	200	600	600	600	600
Virtual Domains (Default/Max)	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Interfaces	16x GE RJ45	20x GE RJ45, 2x Shared Port Pairs	18x GE RJ45, 4x GE SFP	6x GE RJ45, 4x GE SFP	18x GE RJ45, 16x GE SFP
Local Storage	32 GB	480 GB (101E)	480 GB (201E)	120 GB	480 GB (301E)
Power Supplies	Single AC PS	Single AC PS, opt. Ext RPS	Single AC PS, opt. Ext RPS	Single AC PS, opt. Ext RPS	Single AC PS, opt. Dual PS
Form Factor	Desktop	1 RU	1 RU	1 RU	1 RU
Variants	WiFi, POE, LENC, High Port Density	POE, High Port Density	—	LENC	—

FortiGate® Network Security Platform - *Top Selling Models Matrix

	FG-500E	FG-800D	FG-1000D	FG-1200D	FG-1500D
Firewall Throughput (1518/512/64 byte UDP)	36 / 36 / 22 Gbps	36 / 36 / 22 Gbps	52 / 52 / 33 Gbps	72 / 72 / 50 Gbps	80 / 80 / 55 Gbps
Firewall Latency	2 µs	3 µs	3 µs	3 µs	3 µs
Concurrent Sessions	8 Million	5 Million	11 Million	11 Million	12 Million
New Sessions/Sec	300,000	280,000	280,000	290,000	300,000
Firewall Policies	10,000	10,000	100,000	100,000	100,000
IPsec VPN Throughput (512 byte) [1]	20 Gbps	20 Gbps	25 Gbps	40 Gbps	50 Gbps
Max G/W to G/W IPSEC Tunnels	2,000	2,000	20,000	20,000	20,000
Max Client to G/W IPSEC Tunnels	50,000	50,000	100,000	100,000	100,000
SSL VPN Throughput	5 Gbps	2.2 Gbps	3.6 Gbps	3.6 Gbps	4 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	500	5,000	10,000	10,000	10,000
IPS Throughput [1] (HTTP / Enterprise Mix)	11 / 5.2 Gbps	8 / 4.2 Gbps	9 / 6 Gbps	11 / 6.8 Gbps	15 / 13 Gbps
SSL Inspection Throughput (IPS, HTTP) [3]	6.8 Gbps	4 Gbps	4 Gbps	6 Gbps	10.5 Gbps
Application Control Throughput (HTTP 64K) [2]	14 Gbps	9 Gbps	14 Gbps	15 Gbps	16 Gbps
NGFW Throughput (Enterprise Mix)[2, 4]	5 Gbps	4 Gbps	5 Gbps	6 Gbps	7 Gbps
Threat Protection Throughput (Ent. Mix)[2, 5]	4.7 Gbps	3 Gbps	4 Gbps	4 Gbps	5 Gbps
Max FortiAPs (Total, Tunnel)	512 / 256	1,024 / 512	4,096 / 1,024	4,096 / 1,024	4,096 / 1,024
Max FortiSwitches	48	64	128	128	128
Max FortiTokens	1,000	1,000	5,000	5,000	5,000
Max Registered Endpoints	2,000	2,000	20,000	20,000	20,000
Virtual Domains (Default/Max)	10 / 10	10 / 10	10 / 250	10 / 250	10 / 250
Interfaces	2x 10 GE SFP+, 10x GE RJ45, 8x GE SFP	2x 10 GE SFP+, 8x GE SFP, 4x GE RJ45 Bypass, 22x 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
Local Storage	480 GB (501E)	240 GB	256 GB	240 GB	480 GB
Power Supplies	Single AC PS, opt. Dual PS	Single AC PS, opt. Dual PS	Dual PS	Dual PS	Dual PS
Form Factor	1 RU	1 RU	2 RU	2 RU	2 RU
Variants	—	—	LENC	LENC	10GE RJ45, DC, LENC

	FG-2000E	FG-2500E	FG-3000D	FG-3100D	FG-3200D
Firewall Throughput (1518/512/64 byte UDP)	90 / 90 / 60 Gbps	150 / 150 / 95 Gbps	80 / 80 / 50 Gbps	80 / 80 / 50 Gbps	80 / 80 / 50 Gbps
Firewall Latency	2 µs	2 µs	3 µs	3 µs	3 µs
Concurrent Sessions	20 Million	20 Million	50 Million	50 Million	50 Million
New Sessions/Sec	500,000	500,000	400,000	400,000	400,000
Firewall Policies	100,000	100,000	200,000	200,000	200,000
IPsec VPN Throughput (512 byte) [1]	65 Gbps	95 Gbps	50 Gbps	50 Gbps	50 Gbps
Max G/W to G/W IPSEC Tunnels	20,000	20,000	40,000	40,000	40,000
Max Client to G/W IPSEC Tunnels	100,000	100,000	200,000	200,000	200,000
SSL VPN Throughput	6 Gbps	6 Gbps	8 Gbps	8 Gbps	8 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	10,000	10,000	30,000	30,000	30,000
IPS Throughput [1] (HTTP / Enterprise Mix)	25 / 11.5 Gbps	25 / 11.5 Gbps	43 / 23 Gbps	45 / 22 Gbps	44 / 26 Gbps
SSL Inspection Throughput (IPS, HTTP) [3]	12.5 Gbps	12.5 Gbps	19 Gbps	22 Gbps	20 Gbps
Application Control Throughput (HTTP 64K) [2]	20 Gbps	20 Gbps	40 Gbps	40 Gbps	50 Gbps
NGFW Throughput (Enterprise Mix)[2, 4]	9 Gbps	9 Gbps	22 Gbps	18 Gbps	24 Gbps
Threat Protection Throughput (Ent. Mix)[2, 5]	5.4 Gbps	5.4 Gbps	13 Gbps	13 Gbps	15 Gbps
Max FortiAPs (Total, Tunnel)	4,096 / 1,024	4,096 / 1,024	4096 / 1024	4096 / 1024	4096 / 1024
Max FortiSwitches	128	128	256	256	256
Max FortiTokens	5,000	5,000	5,000	5,000	5,000
Max Registered Endpoints	20,000	20,000	50,000	50,000	50,000
Virtual Domains (Default/Max)	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500
Interfaces	6x 10GE SFP+, , 34x GE RJ45	10x 10GE SFP+, 2x 10GE SFP+ bypass, 34x 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
Local Storage	480 GB	480 GB	480 GB	480 GB	960 GB
Power Supplies	Dual PS	Dual PS	Dual PS	Dual PS	Dual PS
Form Factor	2 RU	2 RU	2 RU	2 RU	2 RU
Variants	—	LENC	DC	DC	DC

* Featured Top selling models, for complete FortiGate offerings please visit www.fortinet.com. FortiGate virtual appliances are also available. All performance values are "up to" and vary depending on system configuration.

FortiGate® Network Security Platform - *Top Selling Models Matrix

	FG-3700D	FG-3800D	FG-3960E	FG-3980E	FG-6300F
Firewall Throughput (1518/512/64 byte UDP)	160 / 160 / 110 Gbps	320 / 300 / 150 Gbps	620 / 610 / 370 Gbps	1.05 Tbps / 1.05 Tbps / 680 Gbps	239 / 238 / 135 Gbps
Firewall Latency	2 µs	5 µs	3 µs	3 µs	5 µs
Concurrent Sessions	50 Million	95 Million	160 Million	160 Million	120 Million
New Sessions/Sec	400,000	480,000	550,000	550,000	2 Million
Firewall Policies	200,000	200,000	200,000	200,000	200,000
IPsec VPN Throughput (512 byte) [1]	100 Gbps	135 Gbps	280 Gbps	400 Gbps	130 Gbps
Max G/W to G/W IPSEC Tunnels	40,000	40,000	40,000	40,000	16,000
Max Client to G/W IPSEC Tunnels	200,000	200,000	200,000	200,000	90,000
SSL VPN Throughput	10 Gbps	10 Gbps	9 Gbps	9.5 Gbps	TBA
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	30,000	30,000	30,000	30,000	30,000
IPS Throughput [1] (HTTP / Enterprise Mix)	57 / 28 Gbps	75 / 30 Gbps	80 / 30 Gbps	82 / 32 Gbps	212 / 110 Gbps
SSL Inspection Throughput (IPS, HTTP) [3]	24 Gbps	23 Gbps	30 Gbps	32 Gbps	90 Gbps
Application Control Throughput (HTTP 64K) [2]	40 Gbps	44 Gbps	40 Gbps	55 Gbps	150 Gbps
NGFW Throughput (Enterprise Mix)[2, 4]	20 Gbps	20 Gbps	22 Gbps	28 Gbps	90 Gbps
Threat Protection Throughput (Ent. Mix)[2, 5]	13 Gbps	13 Gbps	13.5 Gbps	20 Gbps	60 Gbps
Max FortiAPs (Total, Tunnel)	4,096 / 1,024	4,096 / 1,024	4,096 / 1,024	4,096 / 1,024	—
Max FortiSwitches	256	256	256	256	—
Max FortiTokens	5,000	5,000	5,000	5,000	5,000
Max Registered Endpoints	100,000	100,000	100,000	100,000	20,000
Virtual Domains (Default/Max)	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500
Interfaces	4x 40GE QSFP+, 20x 10GE SFP+/GE SFP, 8x SFP+, 2x GE RJ45	4x 100GE CFP2, 4x 40GE QSFP+ 8x 10GE SFP+, 2x GE RJ45	6x 100GE QSFP28, 16x 10GE SFP+, 2x GE RJ45	10x 100GE QSFP28, 16x 10GE SFP+, 2x GE RJ45	4x 100GE QSFP28, 24x 25GE SFP28, 3x 10GE SFP+,2x GE RJ45
Local Storage	2x 2TB HDD	960 GB	—	—	2 TB NVMe (6301F)
Power Supplies	Dual PS	Dual PS	3 PS	3 PS	3 PS
Form Factor	3 RU	3 RU	5 RU	5 RU	3 RU
Variants	DC, NEBS, LENC	DC, NEBS, FG-3810D, 3815D	DC	DC	—

	FG-6500F	FG-7030E	FG-7040E	FG-7060E	FG-5001E
Firewall Throughput (1518/512/64 byte UDP)	239 / 238 / 135 Gbps	155 / 155 / 155 Gbps	315 / 310 / 200 Gbps	630 / 630 / 340 Gbps	80 / 80 / 50 Gbps
Firewall Latency	5 µs	7 µs	7 µs	7 µs	3 µs
Concurrent Sessions	200 Million	160 Million	160 Million	320 Million	40 Million
New Sessions/Sec	3 Million	900,000	950,000	1.8 Million	640,000
Firewall Policies	200,000	200,000	200,000	200,000	200,000
IPsec VPN Throughput (512 byte) [1]	160 Gbps	40 Gbps	100 Gbps	100 Gbps	45 Gbps
Max G/W to G/W IPSEC Tunnels	16,000	40,000	40,000	40,000	40,000
Max Client to G/W IPSEC Tunnels	90,000	64,000	64,000	64,000	64,000
SSL VPN Throughput	TBA	15 Gbps	15 Gbps	15 Gbps	9 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	30,000	48,000	48,000	48,000	25,000
IPS Throughput [1] (HTTP / Enterprise Mix)	/ 170 Gbps	90 / 60 Gbps	140 / 60 Gbps	360 / 120 Gbps	25 / 18 Gbps
SSL Inspection Throughput (IPS, HTTP) [3]	130 Gbps	50 Gbps	50 Gbps	100 Gbps	17 Gbps
Application Control Throughput (HTTP 64K) [2]	220 Gbps	65 Gbps	80 Gbps	160 Gbps	36 Gbps
NGFW Throughput (Enterprise Mix)[2, 4]	150 Gbps	50 Gbps	50 Gbps	100 Gbps	15 Gbps
Threat Protection Throughput (Ent. Mix)[2, 5]	100 Gbps	35 Gbps	40 Gbps	80 Gbps	13.5 Gbps
Max FortiAPs (Total, Tunnel)	—	—	—	—	4,096 / 1,024
Max FortiSwitches	—	—	—	—	—
Max FortiTokens	5,000	5,000	5,000	5,000	5,000
Max Registered Endpoints	20,000	20,000	20,000	20,000	20,000
Virtual Domains (Default/Max)	10 / 500	10 / 500	10 / 500	10 / 500	10 / 500
Interfaces	4x 100GE QSFP28, 24x 25GE SFP28, 3x 10GE SFP+,2x GE RJ45	Varied	Varied	Varied	2x 40GE QSFP+, 2x 10GE SFP+, 2x GE RJ45
Local Storage	2 TB NVMe (6501F)	—	—	—	—
Power Supplies	3 PS	3+1 PS	3+1 PS	4+2 PS	Chassis based
Form Factor	3 RU	6 RU	6 RU	8 RU	ATCA Blade
Variants	—	-	DC	—	—

1. IPsec VPN performance test uses AES256-SHA256.
2. IPS (Enterprise Mix), Application Control, NGFW and Threat Protection are measured with Logging enabled.
3. SSL Inspection performance test uses TLS v1.2 with AES128-SHA256.

4. NGFW performance is measured with Firewall, IPS and Application Control enabled, Enterprise Mix traffic.
5. Threat Protection performance is measured with Firewall, IPS, Application Control and Malware Protection enabled, Enterprise Mix traffic.

FortiManager™ Centralized Management Platform

	FMG-200D	FMG-300E	FMG-400E	FMG-2000E	FMG-3000F	FMG-VM-BASE to FMG-VM-UL-UG
Devices/VDOMs (Maximum)	30	100	300	1,200	4,000	10 to Unlimited
Sustained Log Rates	50	50	50	50	150	Hardware dependent
GB/Day	2	2	2	2	10	1-50
Total Interfaces	4x GE RJ45	4x GE RJ45	2x GE RJ45	4x GE, 2x 10GE SFP+	4x GE, 2x 10GE SFP+	1 / 4 (vNIC Min / Max)
Storage Capacity	1x 1 TB	4x 3 TB	8x 3 TB	12x 3 TB	16x 3 TB	80 GB / 16 TB (Min / Max)

FortiAnalyzer™ Centralized Logging & Reporting Solution

	FAZ-200F	FAZ-400E	FAZ-1000E	FAZ-2000E	FAZ-3000F	FAZ-3500F	FAZ-3700F	FAZ-VM-BASE to FAZ-VM-GB2000
GB Logs/Day	100	200	600	1,000	3,000	5,000	8,300	1 to +2,000
Analytic Sustained Rate (logs/sec)	3,000	6,000	18,000	30,000	42,000	63,000	100,000	-
Collector Sustained Rate (logs/sec)	4,500	9,000	27,000	45,000	60,000	90,000	150,000	-
Devices/VDOMs (Maximum)	150	200	2,000	2,000	4,000	10,000	10,000	10,000
Max Number of Days Analytics	30	30	30	30	21	30	60	
Total Interfaces	2x GE RJ45	4x GE RJ45	2x GE RJ45	4x GE RJ45, 2x 10GE SFP+	4x GE RJ45, 2x 10GE SFP+	2x GE RJ45, 2x GE SFP	2x GE RJ45, 2x 10GE SFP+	1 / 4 (vNIC Min / Max)
Storage Capacity	1x 4 TB	4x 3 TB	8x 3 TB	12x 3 TB	16x 3 TB	24x 3 TB	60x 4TB SAS	500 GB to +100 TB
RAID Support	N/A	RAID 0, 1, 5, 10	RAID 0, 1, 5, 6, 10, 50, 60	RAID 0, 1, 5, 6, 10, 50, 60	RAID 0, 1, 5, 6, 10, 50, 60	RAID 0, 1, 5, 6, 10, 50, 60	RAID 0, 1, 5, 6, 10, 50, 60	-
FortiManager Capabilities (up to 20 devices)	No-	No	Yes	Yes	Yes	Yes	Yes	No

FortiSIEM™ Unified Event Correlation and Risk Management Solution

	FSM-500F "COLLECTOR"	FSM-2000F "SUPERVISOR"	FSM-3500F "SUPERVISOR"
All-in-One License Capacity	N/A	Up to 500	Up to 2,000
EPS Capacity (all features enabled)	5,000	Up to 15,000	Up to 30,000

FortiAuthenticator™ User Identity Management Server

	FAC-200E	FAC-400E	FAC-1000D	FAC-2000E	FAC-3000D/3000E	FAC-VM BASE to FAC-VM-100000-UG
Max Local/Remote Users/ User Group	500 / 500 / 25	2,000 / 2,000 / 50	10,000 / 10,000 / 2,000	20,000 / 20,000 / 2,000	40,000 / 40,000 / 4,000	100 / 100 / 10 to +100,000 / +100,000 / 10,000
Max NAS Devices	166	666	3,333	6,666	26,666	33 to +33,333
Max FortiTokens	1,000	4,000	20,000	40,000	80,000	200 to +200,000
Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45, 2x SFP	4x GE RJ45, 2x SFP	4x GE RJ45, 2x SFP	1 - 4 vNICs
Storage Capacity	1x 1 TB	2x 1 TB	2x 2 TB	2x 2 TB	2x 2 TB	60 GB to 2 TB

FortiAP™ Wireless Access Point

	FortiAP Series	Fortinet AP Series	FortiAP S-Series	FortiAP C-Series	FortiAP U-Series
Primary Deployment Mode	Integrated	Infrastructure	Integrated, Cloud	Cloud	Integrated, Infrastructure
Management	FortIgate	FortiWLC	FortiGate, FortiCloud	FortiCloud	FortiGate, FortiWLC
Security	Via FortiGate	-	AV, IPS, AC, WF	-	Via FortiGate / AV, IPS, AC, WF

* 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-108E	FSW-124E	FSW-224E	FSW-248E-POE	FSW-424D	FSW-448D	FSW-524D	FSW-548D
Total Interfaces	7x GE RJ45, 1x GE POE-PD RJ45, 2x GE SFP	24x GE RJ45, 4x GE SFP	24x GE RJ45, 4x GE SFP	24x GE RJ45,24x GE RJ45 PoE, 4x GE SFP	24x GE RJ45, 2x 10GE SFP+	48x GE RJ45, 4x 10GE SFP+	24x GE RJ45, 4x 10 GE SFP+ , 2x 40 GE QSFP+	48x GE RJ45, 4x 10 GE SFP+ , 2x 40 GE QSFP+
Switch Capability	20 Gbps	56 Gbps	56 Gbps	104 Gbps	88 Gbps	176 Gbps	288 Gbps	336 Gbps
Variant	POE, Full PoE	POE, Full PoE	PoE	Full PoE	PoE, Full PoE	PoE, Full PoE	Full PoE	Full PoE

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

FortiSandbox™ Advanced Threat Prevention System

	FSA-1000D	FSA-2000E	FSA-3000E	FSA-3500D	FSA-VM
Sandbox Pre-Filter Throughput (Files/Hour)[1]	6,000	12,000	15,000	30,000* (Upgradable** to 48,000) (6,000 per node)	Hardware dependent
VM Sandboxing Throughput (Files/Hour)	160	480	1,120	720* (Upgradable** to 1,200) (160 per node)	Hardware dependent
Real-world Effective Throughput (Files/Hour)[2]	480	1,440	3,360	2,160* (Upgradable** to 3,600) (480 per node)	Hardware dependent
Number of VMs	8	4 +20 optional	8 + 48 optional	36* (Upgradable** to 60) (8 per node)	4, up to 54

FortiGuard Subscription Based Security Service Option: FortiGuard Threat Intelligence (AV, IPS, Web Filtering, File Query and Sandbox Engine Update)

1 FortiSandbox pre-filtering is powered by FortiGuard Intelligence.
2 Measured based on real-world data when both prefilter and dynamic analysis are working consecutively.
* Based on the assumption that 1 blade will be used as master in HA-cluster mode.
** By adding 3 more SAM-3500D nodes to the same chassis..

FortiClient™ Advanced Endpoint Protection

	Windows	macOS	Linux	Android	iOS	Windows Mobile	Chromebook
Security Fabric Components	•	•		• (Limited)	• (Limited)		
Advanced threat Protection Components	•						
Host Security and VPN Components	•	•	SSL VPN only	• (Limited)	• (Limited)	SSL VPN only	Web Filtering only

FortiDDoS™ Hardware Accelerated DDoS Mitigator

	FDD-200B	FDD-400B	FDD-600B	FDD-800B	FDD-900B	FDD-1000B/-DC	FDD-1200B
Throughput (Bidirectional)	3 Gbps	6 Gbps	12 Gbps	12 Gbps	18 Gbps	18 Gbps	36 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
Advanced DNS Mitigation	Yes	Yes	No	Yes	No	Yes	Yes

FortiGuard Subscription Based Security Service Option: IP and Domain Reputation

FortiMail™ Messaging Security Server

	FML-60D	FML-200E	FML-400E	FML-1000D	FML-2000E	FML-3000E	FML-3200E
Email Routing* (Msg/Hr)	3,600	80,000	157,000	680,000	1.1 Mil	1.8 Mil	1.8 Mil
Performance AS+AV* (Msg/Hr)	2,700	61,000	126,000	500,000	900,000	1.5 Mil	1.5 Mil
Email Domains	2	20	100	800	800	2,000	2,000
Server Mode Mailboxes	50	150	400	1,500	1,500	3,000	3,000
Storage Capacity	1x 500 GB	1x 1 TB	2x 1 TB	2x 2 TB	2x 2 TB (16 TB Max)	2x 2 TB (12 TB Max)	2x 2 TB (20 TB Max)

FortiGuard Subscription Based Security Service Options: AV, Virus Outbreak Protection, Dynamic Adult Image Analysis and Anti-spam

* Measured based on 100KB message size, no queuing.
Virtual appliances are also available, please refer to www.fortinet.com for more information

FortiWeb™ Web Application Firewall

	FWB-100D	FWB-400D	FWB-600D	FWB-1000E	FWB-2000E	FWB-3000E	FWB-3010E	FWB-4000E
Throughput (HTTP)	25 Mbps	100 Mbps	250 Mbps	1 Gbps	2 Gbps	5 Gbps	5 Gbps	20 Gbps
Total Interfaces	4x GE RJ45	4x GE RJ45 4x GE SFP	2x GE RJ45 , 2x GE RJ45 Bypass, 4x GbE SFP	6 (4 bypass), 4x SFP GE, 2x 10GE SFP+	2x 10GE SFP+, 4x GE RJ45 Bypass, 4x GE SFP	4x 10GE SFP+, 4x GE RJ45 Bypass, 4x GE SFP	2x 10GE SFP+, 2x 10GE SFP+ Bypass, 4x GE RJ45 , 4x GE RJ45 Bypass, 4x GE SFP	2x 10GE SFP+, 2x 10GE SFP+ Bypass, 4x GE RJ45 , 4x GE RJ45 Bypass, 4x GE SFP

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

Virtual appliances are also available, please refer to www.fortinet.com for more information

Virtual Appliance Support Matrix

	VMWare vSphere	Citrix Xen Server	Xen	KVM	Microsoft Hyper-V	Amazon AWS	Microsoft Azure	Oracle OPC	Google GCP
FortiGate-VM *	•	•	•	•	•	• / #	• / #	•	•
FortiManager-VM	•	•	•	•	•	•	•		
FortiAnalyzer-VM	•	•	•	•	•	• / #	•		
FortiWeb-VM	•	•	•	•	•	• / #	•		
FortiWeb Manager-VM	•					•			
FortiMail-VM	•	•		•	•	•	•		
FortiAuthenticator-VM	•		•	•	•	•			
FortiADC-VM	•								
FortiCache-VM	•								
FortiVoice-VM	•	•		•	•				
FortiRecorder-VM	•	•		•	•	#			
FortiSandbox-VM	•			•		• / #			
FortiSIEM-VM	•			•		•			
FortiWAN-VM	•								

*Available as FortiGate-VMX solution for VMware NSX environment # Available as on-demand

List of **Other Products**

FortiADC Application Delivery Controller
FortiBridge Failopen Appliance
FortiCache Secure Web Cache
FortiCASB Cloud Access Security Broker
FortiCloud Hosted Services
FortiExtender 3G/4G WAN Extender

Fortiate-CGN CGN Gateway
FortiHypervisor Hybrid Virtual Appliance
FortiProxy Secure Web Gateway
FortiRecorder Network Video Security
FortiTester Network Tester
FortiToken 2 Factor Authentication Token

FortiVoice Secure VoIP Solution
FortiWAN Link Load Balancer
FortiWLC Wireless Controller
FortiWLM Wireless Manager

FORTINET SECURITY FABRIC

This document is provided as a convenient comparison of Fortinet products and services. This matrix is not expected to be comprehensive. Some products and models might not be listed in this document. The data sheet for any product or service can be found on www.fortinet.com and should be consulted for the most updated specifications.