

FortiGate® Network Security Platform - *Top Selling Models Matrix

	FG/FWF-40F	FG/FWF-60E	FG/FWF-60F	FG-80E	FG-80F
Firewall Throughput (1518/512/64 byte UDP)	5 / 5 / 5 Gbps	3 / 3 / 3 Gbps	10/10/6 Gbps	4 / 4 / 4 Gbps	10 / 10 / 7 Gbps
IPsec VPN Throughput (512 byte) ¹	4.4 Gbps	2 Gbps	6.5 Gbps	2.5 Gbps	6.5 Gbps
IPS Throughput (Enterprise Mix) ²	1 Gbps	400 Mbps	1.4 Gbps	450 Mbps	1.4 Gbps
NGFW Throughput (Enterprise Mix) ^{2,4}	800 Mbps	250 Mbps	1 Gbps	360 Mbps	1 Gbps
Threat Protection Throughput (Ent. Mix) ^{2,5}	600 Mbps	200 Mbps	700 Mbps	250 Mbps	900 Mbps ⁶
Firewall Latency	2.97 µs	3 µs	3.3 µs	3 µs	3.23 µs
Concurrent Sessions	700,000	1.3 Million	700,000	1.3 Million	1.5 Million
New Sessions/Sec	35,000	30,000	35,000	30,000	45,000
Firewall Policies	5,000	5,000	5,000	5,000	5,000
Max G/W to G/W IPSEC Tunnels	200	200	200	200	200
Max Client to G/W IPSEC Tunnels	250	500	500	2,500	2,500
SSL VPN Throughput	490 Mbps	150 Mbps	900 Mbps	200 Mbps	950 Mbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	200	200	200	200	200
SSL Inspection Throughput (IPS, avg. HTTPS) ³	310 Mbps	135 Mbps	630 Mbps	135 Mbps	715 Mbps
Application Control Throughput (HTTP 64K) ²	990 Mbps	650 Mbps	1.8 Gbps	900 Mbps	1.8 Gbps
Max FortiAPs (Total / Tunnel)	16 / 8	30 / 10	64 / 32	32 / 16	32 / 16
Max FortiSwitches	8	16	16	16	16
Max FortiTokens	500	500	500	500	500
Virtual Domains (Default/Max)	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Interfaces	5x GE RJ45	10x GE RJ45	10x GE RJ45	14x GE RJ45, 2x Shared Port Pairs	8x GE RJ45, 2x Shared Port Pairs
Local Storage	—	128 GB (61E)	128 GB (61F)	128 GB (81E/-POE)	128 GB (81F)
Power Supplies	Single AC PS	Single AC PS	Single AC PS	Single AC PS	Single AC PS, dual inputs
Form Factor	Desktop	Desktop	Desktop	Desktop	Desktop
Variants	WiFi, 3G4G	WiFi, Storage, LENC, DSL, POE	WiFi, Storage	POE, Storage	Bypass, Storage
	FG-100E	FG-100F	FG-200E	FG-200F	FG-400E
Firewall Throughput (1518/512/64 byte UDP)	7.4 / 7.4 / 4.4 Gbps	20 / 18 / 10 Gbps	20 / 20 / 9 Gbps	27 / 27 / 11 Gbps	32 / 32 / 24 Gbps
IPsec VPN Throughput (512 byte) ¹	4 Gbps	11.5 Gbps	7.2 Gbps	13 Gbps	20 Gbps
IPS Throughput (Enterprise Mix) ²	500 Mbps	2.6 Gbps	2.2 Gbps	5 Gbps	7.8 Gbps
NGFW Throughput (Enterprise Mix) ^{2,4}	360 Mbps	1.6 Gbps	1.8 Gbps	3.5 Gbps	6 Gbps
Threat Protection Throughput (Ent. Mix) ^{2,5}	250 Mbps	1 Gbps	1.2 Gbps	3 Gbps	5 Gbps
Firewall Latency	3 µs	4.97µs	3 µs	4.78 µs	2.14 µs
Concurrent Sessions	2 Million	1.5 Million	2 Million	3 Million	4 Million
New Sessions/Sec	30,000	56,000	135,000	280,000	450,000
Firewall Policies	10,000	10,000	10,000	10,000	10,000
Max G/W to G/W IPSEC Tunnels	2,000	2,500	2,000	2,000	2,000
Max Client to G/W IPSEC Tunnels	10,000	16,000	10,000	16,000	50,000
SSL VPN Throughput	250 Mbps	1 Gbps	900 Mbps	2 Gbps	4.5 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	500	500	500	500	5,000
SSL Inspection Throughput (IPS, avg. HTTPS) ³	130 Mbps	1 Gbps	820 Mbps	4 Gbps	4.8 Gbps
Application Control Throughput (HTTP 64K) ²	1 Gbps	2.2 Gbps	3.5 Gbps	13 Gbps	12 Gbps
Max FortiAPs (Total / Tunnel)	64 / 32	128 / 64	256 / 128	256 / 128	512 / 256
Max FortiSwitches	32	32	64	64	72
Max FortiTokens	5,000	5,000	5,000	5,000	5,000
Virtual Domains (Default/Max)	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Interfaces	20x GE RJ45, 2x Shared Port Pairs	2x 10 GE SFP+, 18x GE RJ45, 4x Shared Port Pairs, 8x GE SFP	18x GE RJ45, 4x GE SFP	4x 10 GE SFP+, 18x GE RJ45, 8x GE SFP	18x GE RJ45, 16x GE SFP
Local Storage	480 GB (101E)	480 GB (101F)	480 GB (201E)	480 GB (201F)	480 GB (401E)
Power Supplies	Single AC PS, opt. Ext RPS	Dual AC PS	Single AC PS, opt. Ext RPS	Dual AC PS	Single AC PS, opt. Dual PS
Form Factor	1 RU	1 RU	1 RU	1 RU	1 RU
Variants	POE, High Port Density	—	—	—	—

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	FG-600E	FG-1000D	FG-1100E	FG-1500D	FG-1800F
Firewall Throughput (1518/512/64 byte UDP)	36 / 36 / 27 Gbps	52 / 52 / 33 Gbps	80 / 80 / 45 Gbps	80 / 80 / 55 Gbps	198 / 197 / 140 Gbps
IPsec VPN Throughput (512 byte) ¹	20 Gbps	25 Gbps	48 Gbps	50 Gbps	55 Gbps
IPS Throughput (Enterprise Mix) ²	10 Gbps	6 Gbps	12.5 Gbps	13 Gbps	13 Gbps
NGFW Throughput (Enterprise Mix) ^{2,4}	9.5 Gbps	5 Gbps	9.8 Gbps	7 Gbps	11 Gbps
Threat Protection Throughput (Ent. Mix) ^{2,5}	7 Gbps	4 Gbps	7.1 Gbps	5 Gbps	9.1 Gbps
Firewall Latency	1.54 µs	3 µs	2.76 µs	3 µs	3.22 µs
Concurrent Sessions	8 Million	11 Million	8 Million	12 Million	12 Million
New Sessions/Sec	450,000	280,000	500,000	300,000	750,000
Firewall Policies	10,000	100,000	100,000	100,000	100,000
Max G/W to G/W IPSEC Tunnels	2,000	20,000	20,000	20,000	20,000
Max Client to G/W IPSEC Tunnels	50,000	100,000	100,000	100,000	100,000
SSL VPN Throughput	7 Gbps	3.6 Gbps	8.4 Gbps	4 Gbps	11 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	10,000	10,000	10,000	10,000	10,000
SSL Inspection Throughput (IPS, avg. HTTPS) ³	8 Gbps	5.0 Gbps	10.0 Gbps	5.7 Gbps	17 Gbps
Application Control Throughput (HTTP 64K) ²	15 Gbps	14 Gbps	26 Gbps	16 Gbps	34 Gbps
Max FortiAPs (Total, Tunnel)	1,024 / 512	4,096 / 2,048	4,096 / 2,048	4,096 / 2,048	4,096 / 2,048
Max FortiSwitches	96	196	196	128	196
Max FortiTokens	5,000	20,000	20,000	20,000	20,000
Virtual Domains (Default/Max)	10 / 10	10 / 250	10 / 250	10 / 250	10 / 250
Interfaces	2x 10 GE SFP+, 10x GE RJ45, 8x GE SFP	2x 10 GE SFP+, 16x GE SFP, 18x GE RJ45	2x 40GE QSFP+, 4x 25GE SFP28/10GE SFP+, 4x 10GE SFP+, 8x GE SFP, 18x GE RJ45	8x 10GE SFP+/GE SFP, 16x GE SFP, 18x GE RJ45	4x 40 GE QSFP+, 12x 25 GE SFP28/10GE SFP+, 2x10 GE SFP+, 8x GE SFP, 18x GE RJ45
Local Storage	480 GB (601E)	256 GB	960 GB (1101E)	480 GB	2 TB (1801F)
Power Supplies	Single AC PS, opt. Dual PS	Dual PS	Dual PS	Dual PS	Dual PS
Form Factor	1 RU	2 RU	2 RU	2 RU	2 RU
Variants	—	LENC	DC	10GE RJ45, LENC	—

	FG-2000E	FG-2200E	FG-3000D	FG-3300E	FG-3400E
Firewall Throughput (1518/512/64 byte UDP)	90 / 90 / 60 Gbps	158 / 155 / 100 Gbps	80 / 80 / 50 Gbps	160 / 158 / 100 Gbps	240 / 238 / 150 Gbps
IPsec VPN Throughput (512 byte) ¹	65 Gbps	98 Gbps	50 Gbps	98 Gbps	140 Gbps
IPS Throughput (Enterprise Mix) ²	11.5 Gbps	16.5 Gbps	23 Gbps	27 Gbps	44 Gbps
NGFW Throughput (Enterprise Mix) ^{2,4}	9 Gbps	13.5 Gbps	22 Gbps	23 Gbps	34 Gbps
Threat Protection Throughput (Ent. Mix) ^{2,5}	5.4 Gbps	11 Gbps	13 Gbps	17 Gbps	25 Gbps
Firewall Latency	2 µs	3.09 µs	3 µs	3.17 µs	3.33 µs
Concurrent Sessions	20 Million	24 Million	50 Million	50 Million	50 Million
New Sessions/Sec	500,000	500,000	400,000	460,000	850,000
Firewall Policies	100,000	100,000	200,000	200,000	200,000
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	10 Gbps	8 Gbps	10 Gbps	11 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	30,000	30,000	30,000	30,000	30,000
SSL Inspection Throughput (IPS, avg. HTTPS) ³	9.4 Gbps	17 Gbps	15 Gbps	21 Gbps	30 Gbps
Application Control Throughput (HTTP 64K) ²	20 Gbps	52 Gbps	40 Gbps	70 Gbps	86 Gbps
Max FortiAPs (Total, Tunnel)	4,096 / 2,048	4,096 / 2,048	4,096 / 2,048	4,096 / 2,048	4,096 / 2,048
Max FortiSwitches	196	196	300	300	300
Max FortiTokens	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	6x 10GE SFP+, 34x GE RJ45	4x 40GE QSFP+, 20x 25GE SFP28/10GE SFP+, 14x GE RJ45	16x 10GE SFP+/GE SFP, 2x GE RJ45	4x 40GE QSFP+, 16x 25GE SFP28/10GE SFP+, 4x 10GE RJ45, 14x GE RJ45	4x 100GE QSFP28/40GE QSFP+, 24x 25GE SFP28/10GE SFP+/GE SFP, 2x GE RJ45
Local Storage	480 GB	2 TB (2201E)	480 GB	2 TB (3301E)	4 TB (3401E)
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	—	—	—	—	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-3600E	FG-3960E	FG-3980E	FG-4200F	FG-4400F
Firewall Throughput (1518/512/64 byte UDP)	240 / 240 / 150 Gbps	620 / 610 / 370 Gbps	1.05 Tbps / 1.05 Tbps / 680 Gbps	800 / 788 / 400 Gbps	1.15 / 1.14 / 0.50 Tbps
IPsec VPN Throughput (512 byte) ¹	140 Gbps	280 Gbps	400 Gbps	210 Gbps	310 Gbps
IPS Throughput (Enterprise Mix) ²	55 Gbps	30 Gbps	32 Gbps	52 Gbps	94 Gbps
NGFW Throughput (Enterprise Mix) ^{2,4}	40 Gbps	22 Gbps	28 Gbps	47 Gbps	82 Gbps
Threat Protection Throughput (Ent. Mix) ^{2,5}	30 Gbps	13.5 Gbps	20 Gbps	45 Gbps ⁶	75 Gbps ⁶
Firewall Latency	3.27µs	3 µs	3 µs	3.02 µs	2.98 µs
Concurrent Sessions	50 Million	160 Million	160 Million	210 Million / 450 Million ⁷	210 Million / 700 Million ⁷
New Sessions/Sec	950,000	550,000	550,000	1 Million / 7 Million ⁷	1 Million / 10 Million ⁷
Firewall Policies	200,000	200,000	200,000	200,000	200,000
Max G/W to G/W IPSEC Tunnels	40,000	40,000	40,000	40,000	40,000
Max Client to G/W IPSEC Tunnels	200,000	200,000	200,000	200,000	200,000
SSL VPN Throughput	12 Gbps	9 Gbps	9.5 Gbps	16 Gbps	16 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	30,000	30,000	30,000	30,000	30,000
SSL Inspection Throughput (IPS, avg. HTTPS) ³	34 Gbps	23 Gbps	26 Gbps	50 Gbps	86 Gbps
Application Control Throughput (HTTP 64K) ²	95 Gbps	40 Gbps	55 Gbps	135 Gbps	140 Gbps
Max FortiAPs (Total, Tunnel)	4,096 / 2,048	8,192 / 4,096	8,192 / 4,096	8,192 / 4,096	8,192 / 4,096
Max FortiSwitches	300	300	300	300	300
Max FortiTokens	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	6x 100GE QSFP28/40GE QSFP+, 32x 25GE SFP28/10GE SFP+/GE SFP, 2x GE RJ45	6x 100GE QSFP28/40GE QSFP+, 16x 10GE SFP+, 2x GE RJ45	10x 100GE QSFP28/40GE QSFP+, 16x 10GE SFP+, 2x GE RJ45	8x 100GE QSFP28/40GE QSFP+, 18x 25GE SFP28/10GE SFP+/GE SFP, 2x GE RJ45	12x 100GE QSFP28/40GE QSFP+, 20x 25GE SFP28/10GE SFP+/GE SFP, 2x GE RJ45
Local Storage	4 TB (3601E)	—	—	4 TB (4201F)	4 TB (4401F)
Power Supplies	Dual PS	3 PS	3 PS	Dual PS	4 PS
Form Factor	2 RU	5 RU	5 RU	3 RU	4 RU

Variants DC DC DC DC —

	FG-6300F	FG-6500F	FG-7040E	FG-7060E	FG-5001E
Firewall Throughput (1518/512/64 byte UDP)	239 / 238 / 135 Gbps	239 / 238 / 135 Gbps	315 / 310 / 200 Gbps	630 / 630 / 340 Gbps	80 / 80 / 50 Gbps
IPsec VPN Throughput (512 byte) ¹	96 Gbps	160 Gbps	100 Gbps	100 Gbps	45 Gbps
IPS Throughput (Enterprise Mix) ²	110 Gbps	170 Gbps	60 Gbps	120 Gbps	18 Gbps
NGFW Throughput (Enterprise Mix) ^{2,4}	90 Gbps	150 Gbps	50 Gbps	100 Gbps	15 Gbps
Threat Protection Throughput (Ent. Mix) ^{2,5}	60 Gbps	100 Gbps	40 Gbps	80 Gbps	13.5 Gbps
Firewall Latency	5 µs	5 µs	7 µs	7 µs	3 µs
Concurrent Sessions	120 Million	200 Million	160 Million	320 Million	40 Million
New Sessions/Sec	2 Million	3 Million	950,000	1.8 Million	640,000
Firewall Policies	200,000	200,000	200,000	200,000	200,000
Max G/W to G/W IPSEC Tunnels	16,000	16,000	16,000	16,000	40,000
Max Client to G/W IPSEC Tunnels	90,000	90,000	64,000	64,000	64,000
SSL VPN Throughput	9 Gbps	9 Gbps	15 Gbps	15 Gbps	9 Gbps
Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode)	30,000	30,000	48,000	48,000	25,000
SSL Inspection Throughput (IPS, avg. HTTPS) ³	66 Gbps	110 Gbps	39.9 Gbps	79.9 Gbps	15 Gbps
Application Control Throughput (HTTP 64K) ²	150 Gbps	220 Gbps	80 Gbps	160 Gbps	36 Gbps
Max FortiAPs (Total, Tunnel)	—	—	—	—	4,096 / 2,048
Max FortiSwitches	256	256	256	256	256
Max FortiTokens	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 QSFP28/40GE QSFP+, 24x 25GE SFP28, 3x 10GE SFP+, 2x GE RJ45	4x 100GE QSFP28/40GE QSFP+, 24x 25GE SFP28, 3x 10GE SFP+, 2x GE RJ45	Varied	Varied	2x 40GE QSFP+, 2x 10GE SFP+, 2x GE RJ45
Local Storage	2 TB NVMe (6301F)	2 TB NVMe (6501F)	—	—	—
Power Supplies	3 PS	3 PS	3+1 PS	4+2 PS	Chassis based
Form Factor	3 RU	3 RU	6 RU	8 RU	ATCA Blade

Variants — — DC DC —

1. IPsec VPN performance test uses AES256-SHA256.

2. IPS, Application Control, NGFW and Threat Protection are measured with Logging enabled.

3. SSL Inspection performance values use an average of HTTPS sessions of different cipher suites.

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, (6.URL Filtering) and Malware Protection enabled, Enterprise Mix traffic.

7. Requires Hyperscale license

FortiManager™ Centralized Management Platform

	FMG-200F	FMG-300F	FMG-1000F	FMG-2000E	FMG-3000G	FMG-3700F	FMG-VM-BASE to FMG-VM-UL-UG
Devices/VDOMs (Maximum)	30	100	1,000	1,200	4,000	10,000+	10 to Unlimited
Sustained Log Rates	50	50	50	50	150	150	Hardware dependent
GB/Day	2	2	2	2	10	10	1-50
Total Interfaces	2x GE RJ45, 2x GE SFP	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x 10GE SFP+	4x GE, 2x 10GE SFP+	2x GE, 2x 25GE SFP28	2x GE, 2x 10GE SFP+	1 / 4 (vNIC Min / Max)
Storage Capacity	2x 4 TB	4x 4 TB	8x 4 TB	12x 3 TB	16x 4 TB	60x 4 TB	80 GB / 16 TB (Min / Max)

FortiAnalyzer™ Centralized Logging & Reporting Solution

	FAZ-150G	FAZ-200F	FAZ-300F	FAZ-800F	FAZ-1000F
GB Logs/Day	50	100	150	300	660
Analytic Sustained Rate (logs/sec)	1,500	3,000	4,500	8,250	20,000
Collector Sustained Rate (logs/sec)	3,000	4,500	6,750	12,000	30,000
Total Interfaces	2x GE RJ45	2x GE RJ45	2x GE RJ45, 2x GE SFP	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x 10GE SFP+
Storage Capacity	2x 2 TB	1x 4 TB	2x 4 TB	4x 4 TB	8x 4 TB
	FAZ-2000E	FAZ-3000G	FAZ-3500G	FAZ-3700F	FAZ-VM-BASE to FAZ-VM-GB2000
GB Logs/Day	1,000	3,000	5,000	8,300	1 to +2,000
Analytic Sustained Rate (logs/sec)	30,000	42,000	60,000	100,000	—
Collector Sustained Rate (logs/sec)	45,000	60,000	90,000	150,000	—
Total Interfaces	4x GE RJ45, 2x 10GE SFP+	2x GE RJ45, 2x 25GE SFP28	2x GE RJ45, 2x 25GE SFP28	2x GE RJ45, 2x 10GE SFP+	1 / 4 (vNIC Min / Max)
Storage Capacity	12x 3 TB	16x 4 TB	24x 4 TB	60x 4TB SAS	500 GB to +100 TB

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-300F	FAC-400E	FAC-800F	FAC-1000D	FAC-2000E	FAC-3000E	FAC-VM BASE to FAC-VM-10000-UG
Max Local + Remote Users/ User Group	500 / 50	1,500 / 150	2,000 / 200	8,000 / 800	10,000 / 1,000	20,000 / 2,000	40,000 / 4,000	100 / 10 to +10,000 / 1,000
Max NAS Devices	166	500	666	2,666	3,333	6,666	26,666	33 to +33,333
Max FortiTokens	1,000	3,000	4,000	16,000	20,000	40,000	80,000	200 to +20,000
Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45	4x GE RJ45, 2x SFP	4x GE RJ45, 2x SFP	4x GE RJ45, 2x SFP	4x GE RJ45, 2x SFP	1 - 4 vNICs
Storage Capacity	1x 1 TB	2	2x 1 TB	2x 2 TB	2x 2 TB	2x 2 TB	2x 2 TB	60 GB to 16 TB

FortiAP™ Wireless Access Point

	FortiAP Series	FortiAP U-Series
Management	FortiGate-Managed, Cloud-Managed	FortiGate-Managed, Cloud-Managed, Controller-Managed
Security	Via FortiGate	Via FortiGate

* 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

	100 Series	200 Series	400 Series	500 Series	1000 Series	3000 Series
Main Port Speed	1 Gbps	1 Gbps	1 Gbps	1 Gbps	10/40 Gbps	40/100 Gbps
Main Port Count Options	8, 24, 48	24, 48	24, 48	24, 48	24, 48	32
Uplink Port Speed	1 or 10 Gbps	1 Gbps	10 Gbps	10 Gbps	40 or 100 Gbps	n/a
Redundant Power Supplies	—	Some Models	Some Models	Optional RSU	•	•
PoE Options	•	•	•	•	—	—

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

FortiNAC™ Network Access Control Solution

	FNC-CA-500C	FNC-CA-600C	FNC-CA-700C	FNC-M-550C
Type	Mid-range Control and Application Server	High Performance Control and Application Server	Ultra High Performance Control and Application Server	Centralized Management Appliance
Target Environment	Small Environments	Medium Environments	Large Environments with few Persistent Agents	Multi-site environments with multiple appliances
Capacity	Manages up to 1,000 ports in the network*	Manages up to 7,500 ports in the network*	Manages up to 15,000 ports in the network*	Unlimited

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

FortiSandbox™ Advanced Threat Prevention System

	FSA-500F	FSA-1000F/-DC	FSA-2000E	FSA-3000E	FSA-VM
Sandbox Pre-Filter Throughput (Files/Hour) ¹	4,500	7,500	12,000	15,000	Hardware dependent
VM Sandboxing Throughput (Files/Hour)	120	280	480	1,120	Hardware dependent
Real-world Effective Throughput (Files/Hour)	600 ² / 360 ³	1,400 ² / 840 ³	2,400 ² / 1,440 ³	5,600 ² / 3,360 ³	Hardware dependent
Number of VMs	2 +4 optional	2 +10 optional	4 +20 optional	8 + 48 optional	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.

³ Measured based on real-world email traffic when both pre-filter and dynamic analysis are working consecutively.

* Based on the assumption that 1 blade will be used as master in HA-cluster mode.

FortiClient™ Advanced Endpoint Protection

	Windows	MAC OS X	Linux	Android	iOS	Chromebook
Security Fabric Components	Fabric Agent	Fabric Agent	Fabric Agent	Fabric Agent (Limited)	Fabric Agent (Limited)	Fabric Agent (Limited)
Host Security Components	AV, Anti-Exploit, Sandbox Detection, Web Filtering, App. Firewall	AV, Web Filtering, App. Firewall	AV, Sandbox Detection (Limited)	Web Filtering	Web Filtering	Web Filtering
VPN Components	IPSec, SSL VPN	IPSec, SSL VPN	SSL VPN	IPSec, SSL VPN	IPSec, SSL VPN	—
Others	Remote Logging/Reporting, WIN AD SSO Agent	Remote Logging/Reporting, WIN AD SSO Agent	—	—	Remote Logging/Reporting	Remote Logging/Reporting

FortiMail™ Messaging Security Server

	FML-200F	FML-400F	FML-900F	FML-2000E	FML-3000E	FML-3200E
Email Routing* (Msg/Hr)	50,000	250,000	800,000	1.5 Mil	2.5 Mil	3.4 Mil
Performance Enterprise ATP* (Msg/Hr)	30,000	150,000	400,000	700,000	1.5 Mil	2.0 Mil
Email Domains	20	100	800	800	2,000	2,000
Server Mode Mailboxes	150	400	1,500	1,500	3,000	3,000
Storage Capacity	1x 1 TB	2x 1 TB	2x 2 TB (8 TB Max)	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-100E	FWB-400E	FWB-600E	FWB-1000E	FWB-2000E	FWB-3000E	FWB-3010E	FWB-4000E
Throughput (HTTP)	50 Mbps	250 Mbps	750 Mbps	1 Gbps	2 Gbps	5 Gbps	5 Gbps	20 Gbps
Total Interfaces	4x GE RJ45	4x GE RJ45 4x GE SFP	2 (+2 bypass) x GE RJ45, 4x GE SFP	2 (+4 bypass) GE RJ45, 4x SFP GE, 2x 10GE SFP+	2x 10GE SFP+, 8x GE RJ45 Bypass, 4x GE SFP	4x 10GE SFP+, 4x GE RJ45, 4x GE RJ45 Bypass, 4x GE SFP	2 (+ 2 bypass) x 10GE SFP+, 8 x GE RJ45 Bypass, 4x GE SFP	2 (+ 2 bypass) x 10GE SFP+, 8 x 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	Nutanix AHV	Amazon AWS	Microsoft Azure	Oracle OPC/OCI	Google GCP	Alibaba Aliyun
FortiGate-VM *	•	•	•	•	•	•	• / #	• / #	• / #	• / #	• / #
FortiManager-VM	•	•	•	•	•	•	• / #	•	•	•	•
FortiAnalyzer-VM	•	•	•	•	•	•	• / #	•	•	•	•
FortiWeb-VM	•	•	•	•	•	•	• / #	• / #	•	•	•
FortiWeb Manager-VM	•						•				
FortiMail-VM	•	•		•	•	•	• / #	• / #		•	
FortiAuthenticator-VM	•		•	•	•		•	•	•		
FortiADC-VM	•	•	•	•	•	•	• / #	• / #	• / #	• / #	
FortiVoice-VM	•	•		•	•		•	•			
FortiRecorder-VM	•	•		•	•		#				
FortiSandbox-VM	•			•	•	•	• / #	#			
FortiSIEM-VM	•			•	•	•	•	•			•
FortiProxy-VM	•			•							

*Available as FortiGate-VMX solution for VMware NSX environment, AzureStack and RackSpace (PAYG) # on-demand

List of Other Products

FortiADC Application Delivery Controller
FortiAI Virtual Security Analyst™
FortiCASB Cloud Access Security Broker
FortiCarrier CGN Gateway
FortiCWP Cloud Security Analytics
FortiDDoS DDoS Mitigator
FortiDeceptor Deception-based Solution

FortiEDR EDR Solution
FortiExtender 3G/4G WAN Extender
FortiHypervisor Hybrid Virtual Appliance
FortiInsight UEBA Solution
FortiIsolator Browser Isolation Platform
FortiProxy Secure Web Gateway
FortiRecorder Network Video Security

FortiSOAR SOAR Solution
FortiTester Network Tester
FortiToken 2 Factor Authentication Token
FortiVoice Secure VoIP Solution
FortiWLC Wireless Controller
FortiWLM Wireless Manager



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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.

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