

FortiGate® Network Security Platform - *Top Selling Models Matrix

	FG-3700F	FG-3960E	FG-3980E	FG-4200F	FG-4400F
Firewall Throughput (1518/512/64 byte UDP)	589 / 589 / 420 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	160 Gbps	280 Gbps	400 Gbps	210 Gbps	310 Gbps
IPS Throughput (Enterprise Mix) ²	86 Gbps	30 Gbps	32 Gbps	52 Gbps	94 Gbps
NGFW Throughput (Enterprise Mix) ^{2,4}	80 Gbps	22 Gbps	28 Gbps	47 Gbps	82 Gbps
Threat Protection Throughput (Ent. Mix) ^{2,5}	75 Gbps	13.5 Gbps	20 Gbps	45 Gbps ⁶	75 Gbps ⁶
Firewall Latency	3.56 µs / 1.45 µs ⁸	3 µs	3 µs	3.02 µs	2.98 µs
Concurrent Sessions	140 Million	160 Million	160 Million	210 Million / 450 Million ⁷	210 Million / 700 Million ⁷
New Sessions/Sec	930,000	720,000	800,000	1 Million / 7 Million ⁷	1 Million / 10 Million ⁷
Firewall Policies	200,000	200,000	200,000	400,000	400,000
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	16 Gbps ⁹	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	55 Gbps	23 Gbps	26 Gbps	50 Gbps	86 Gbps
Application Control Throughput (HTTP 64K) ²	190 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	4× 400GE QSFP-DD, 4x ULL 25GE SFP28, 20x 50GE SFP56, 2× 10GE RJ45	6× 100GE QSFP28/40GE QSFP+, 16× 10GE SFP+, 2x GE RJ45	10× 100GE QSFP28/40GE QSFP+, 16× 10GE SFP+, 2x GE RJ45	8× 100GE QSFP28/40GE QSFP+, 18× 25GE SFP28, 2x GE RJ45	12× 100GE QSFP28/40GE QSFP+, 20× 25GE SFP28, 2x GE RJ45
Local Storage	4 TB (3701F)	—	—	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-4800F	FG-6300F	FG-6500F	FG-7081F	FG-7121F
Firewall Throughput (1518/512/64 byte UDP)	3.1 / 3.1 / 0.93 Tbps	239 / 238 / 135 Gbps	239 / 238 / 135 Gbps	1.19 / 1.18 / 0.54 Tbps	1.89 / 1.88 / 1.129 Tbps
IPsec VPN Throughput (512 byte) ¹	800 Gbps	96 Gbps	160 Gbps	378 Gbps	630 Gbps
IPS Throughput (Enterprise Mix) ²	87 Gbps	110 Gbps	170 Gbps	405 Gbps	675 Gbps
NGFW Throughput (Enterprise Mix) ^{2,4}	77 Gbps	90 Gbps	150 Gbps	330 Gbps	550 Gbps
Threat Protection Throughput (Ent. Mix) ^{2,5}	75 Gbps ⁶	60 Gbps	100 Gbps	312 Gbps	520 Gbps
Firewall Latency	3.6 µs	5 µs	5 µs	7.5 µs	7.5 µs
Concurrent Sessions	280 Million / 1.8 Billion ⁷	120 Million	200 Million	600 Million	1 Billion
New Sessions/Sec	915,000 / 25 Million ⁷	2 Million	3 Million	4.5 Million	9 Million
Firewall Policies	400,000	200,000	200,000	200,000	200,000
Max G/W to G/W IPSEC Tunnels	40,000	16,000	16,000	40,000	40,000
Max Client to G/W IPSEC Tunnels	200,000	90,000	90,000	260,000	260,000
SSL VPN Throughput	18 Gbps	9 Gbps	9 Gbps	13.7 Gbps	13.7 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	63 Gbps	66 Gbps	110 Gbps	324 Gbps	540 Gbps
Application Control Throughput (HTTP 64K) ²	180 Gbps	150 Gbps	220 Gbps	900 Gbps	1.5 Tbps
Max FortiAPs (Total, Tunnel)	8,192 / 4,096	—	—	—	—
Max FortiSwitches	300	256	256	256	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	8× 400GE, 12× 200GE QSFP56, 12× 50GE SFP56, 2× 10GE RJ45	4× 100GE QSFP28/40GE QSFP+, 24× 25GE SFP28, 3× 10GE SFP+, 2x GE RJ45	4× 100GE QSFP28/40GE QSFP+, 24× 25GE SFP28, 3× 10GE SFP+, 2x GE RJ45	Varied	Varied
Local Storage	4 TB (4801F)	2 TB NVMe (6301F)	2 TB NVMe (6501F)	4× 4 TB SSD	4× 4 TB SSD
Power Supplies	4 PS	3 PS	3 PS	6 PS	8 PS
Form Factor	4 RU	3 RU	3 RU	12 RU	16 RU
Variants	—	DC	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

8. With Ultra-Low Latency ports

9. Uses RSA-2048 certificate

