



ORDERING GUIDE

Data Center Firewalls

FortiGate Next-Generation Firewalls (NGFWs) protect hybrid data centers with dynamic segmentation and coordinated, automated AI/ML-powered FortiGuard services to enable speed and manage all security risks. They offer the industry's fastest NGFW delivering up to 520 Gbps of threat protection with full visibility and ransomware protection. Powered by purpose-built security processing units, they consolidate tens of millions connections per second and up to 1.9 Tbps firewall performance. This service enables you to scale your business to meet escalating user demands.

CONSIDERATIONS FOR NEXT GEN DATA CENTER FW SELECTION

- Security Requirements
- Throughput
- Interface Connectivity
- Redundancy from Disaster Recovery
- Interconnect Features like IPsec VPN

PRODUCT OFFERINGS

Product Offerings for FortiGate 1000 and 2000 Series.

APPLIANCES	1000F	1800F	2600F
Data Center Firewall			
IPS Throughput	19 Gbps	22 Gbps	24 Gbps
SSL Inspection Throughput	10 Gbps	12 Gbps	20 Gbps
IPsec VPN Throughput	55 Gbps	55 Gbps	55 Gbps
Hardware/Connectivity			
400G			
100G	☑		☑
40G	☑	☑	☑
25G	☑	☑	☑
10G	☑	☑	☑
Ultra Low Latency Port (ULL)			
With Storage	1001F	1801F	2601F
Variant Available	-	DC	DC
Other Metrics			
Firewall Throughput (1518 byte)	198 Gbps	198 Gbps	198 Gbps
New Sessions/Second	650 000	750 000	1 M
Threat Protection Throughput	13 Gbps	15 Gbps	17 Gbps
Virtual Domains (Default/Max)	10/250	10/250	10/500
Other Licenses			
HyperScale		☑	☑
Carrier			

PRODUCT OFFERINGS

Product Offerings for FortiGate 3000 Series.

APPLIANCES	3000F	3200F	3500F	3700F
Data Center Firewall				
IPS Throughput	36 Gbps	63 Gbps	72 Gbps	86 Gbps
SSL Inspection Throughput	29 Gbps	29 Gbps	63 Gbps	55 Gbps
IPsec VPN Throughput	105 Gbps	105 Gbps	165 Gbps	160 Gbps
Hardware/Connectivity				
400G		☑		☑
100G	☑	☑	☑	☑
40G	☑	☑	☑	☑
25G	☑	☑	☑	☑
10G	☑	☑	☑	☑
Ultra Low Latency Port (ULL)		☑		☑
With Storage	3001F	3201F	3501F	3701F
Variant Available		—	—	
Other Metrics				
Firewall Throughput (1518 byte)	397 Gbps	387 Gbps	595 Gbps	589 Gbps
New Sessions/Second	870 000	800 000	1 M	930 000
Threat Protection Throughput	33 Gbps	45 Gbps	63 Gbps	75 Gbps
Virtual Domains (Default/Max)	10/500	10/500	10/500	10/500
Other Licenses				
HyperScale	☑		☑	
Carrier	☑	☑	☑	☑

Product Offerings for FortiGate 4000 Series.

APPLIANCES	4200F	4400F	4800F
Data Center Firewall			
IPS Throughput	52 Gbps	94 Gbps	87 Gbps
SSL Inspection Throughput	50 Gbps	86 Gbps	63 Gbps
IPsec VPN Throughput	210 Gbps	310 Gbps	800 Gbps
Hardware/Connectivity			
400G			☑
100G	☑	☑	☑
40G	☑	☑	☑
25G	☑	☑	☑
10G	☑	☑	☑
Ultra Low Latency Port (ULL)			
With Storage	4201F	4401F	4801F
Variant Available	DC	DC	-
Other Metrics			
Firewall Throughput (1518 byte)	800 Gbps	1.15 Tbps	3.1 Tbps
New Sessions/Second	1 M	1 M	915 000
Threat Protection Throughput	45 Gbps	75 Gbps	75 Gbps
Virtual Domains (Default/Max)	10/500	10/500	10/500
Other Licenses			
HyperScale	☑	☑	☑
Carrier	☑	☑	☑

PRODUCT OFFERINGS

Product Offerings for FortiGate 6000 and 7000 Series.

APPLIANCES	6001F	6300F	6500F	7081F	7121F
Data Center Firewall					
IPS Throughput	51 - 170 Gbps	110 Gbps	170 Gbps	405 Gbps	675 Gbps
SSL Inspection Throughput	33 - 110 Gbps	66 Gbps	110 Gbps	324 Gbps	540 Gbps
IPsec VPN Throughput	48 - 160 Gbps	96 Gbps	160 Gbps	378 Gbps	630 Gbps
Hardware/Connectivity					
400G				☑	☑
100G	☑	☑	☑	☑	☑
40G	☑	☑	☑	☑	☑
25G	☑	☑	☑	☑	☑
10G	☑	☑	☑	☑	☑
Ultra Low Latency Port (ULL)					
With Storage	6001F	6301F	6501F	7121F	7121F
Variant Available	-	DC	DC	DC	DC
Other Metrics					
Firewall Throughput (1518 byte)	120 - 239 Gbps	239 Gbps	239 Gbps	1.19 Tbps	1.89 Tbps
New Sessions/Second	900 000 - 3 M	2 M	3 M	4.5 M	9 M
Threat Protection Throughput	30 -100 Gbps	60 Gbps	100 Gbps	312 Gbps	520 Gbps
Virtual Domains (Default/Max)	10/500	10/500	10/500	10/500	10/500
Other Licenses					
HyperScale					
Carrier	☑	☑	☑	☑	☑

ORDER INFORMATION

FORTIGATE	1000F	1800F	2600F
Advanced Threat Protection Bundle (Hardware and Service Bundle)			
Hardware	FG-1000F	FG-1800F	FG-2600F
Services Bundle	FC-10-F1K0F-928-02-DD	FC-10-F18HF-928-02-DD	FC-10-F26HF-928-02-DD
UTP Bundle			
Hardware Bundle	FG-1000F-BDL-950-DD	FG-1800F-BDL-950-DD	FG-2600F-BDL-950-DD
Renewal	FC-10-F1K0F-950-02-DD	FC-10-F18HF-950-02-DD	FC-10-F26HF-950-02-DD
Licenses			
HyperScale		LIC-FG18F-HYPSC	LIC-FG26F-HYPSC
Carrier			

FORTIGATE	3000F	3200F	3500F	3700F
Advanced Threat Protection Bundle (Hardware and Service Bundle)				
Hardware	FG-3000F	FG-3200F	FG-3500F	FG-3700F
Services Bundle	FC-10-F3K0F-928-02-DD	FC-10-F3K2F-928-02-DD	FC-10-F3K5F-928-02-DD	FC-10-F3K7F-928-02-DD
UTP Bundle				
Hardware Bundle	FG-3000F-BDL-950-DD	FG-3200F-BDL-950-DD	FG-3500F-BDL-950-DD	FG-3700F-BDL-950-DD
Renewal	FC-10-F3K0F-950-02-DD	FC-10-F3K2F-950-02-DD	FC-10-F3K5F-950-02-DD	FC-10-F3K7F-950-02-DD
Licenses				
HyperScale	LIC-FG30F-HYPSC		LIC-FG35F-HYPSC	
Carrier	FCR-EUPG	FCR-EUPG	FCR-EUPG	FCR-EUPG

FORTIGATE	4200F	4400F	4800F
Advanced Threat Protection Bundle (Hardware and Service Bundle)			
Hardware	FG-4200F	FG-4400F	FG-4800F
Services Bundle	FC-10-F42HF-928-02-DD	FC-10-F44HF-928-02-DD	FC-10-F48HF-928-02-DD
UTP Bundle			
Hardware Bundle	FG-4200F-BDL-950-DD	FG-4400F-BDL-950-DD	FG-4800F-BDL-950-DD
Renewal	FC-10-F42HF-950-02-DD	FC-10-F44HF-950-02-DD	FC-10-F48HF-950-02-DD
Licenses			
HyperScale	LIC-FG42F-HYPSC	LIC-FG44F-HYPSC	LIC-FG48F-HYPSC
Carrier	FCR-EUPG	FCR-EUPG	FCR-EUPG

FORTIGATE	6001F	6300F	6500F	7081F	7121F
Advanced Threat Protection Bundle (Hardware and Service Bundle)					
Hardware	FG-6001F	FG-6300F	FG-6500F	FG-7081F	FG-7121F
Services Bundle	FC-10-6K01F-928-02-DD	FC-10-6K30F-928-02-DD	FC-10-6K50F-928-02-DD	FC-10-F78F1-928-02-DD	FC-10-F7CF1-928-02-DD
UTP Bundle					
Hardware Bundle	FG-6001F-BDL-950-DD	FG-6300F-BDL-950-DD	FG-6500F-BDL-950-DD	FG-7081F-BDL-950-DD	FG-7121F-BDL-950-DD
Renewal	FC-10-6K01F-950-02-DD	FC-10-6K30F-950-02-DD	FC-10-6K50F-950-02-DD	FC-10-F78F1-950-02-DD	FC-10-F7CF1-950-02-DD
Licenses					
HyperScale					
Carrier	FCR-EUPG	FCR-EUPG	FCR-EUPG	FCR-EUPG	FCR-EUPG

HIGH AVAILABILITY

Each appliance needs its own license and FortiCare contract. This includes licensing for FortiCare Support, IPS, AntiVirus, Web Filtering, Mobile Malware, FortiClient, FortiCloud, and additional virtual domains (VDMs).

All FortiGates in the cluster must have the same level of licensing.

GLOBAL SERVICE LOAD BALANCING

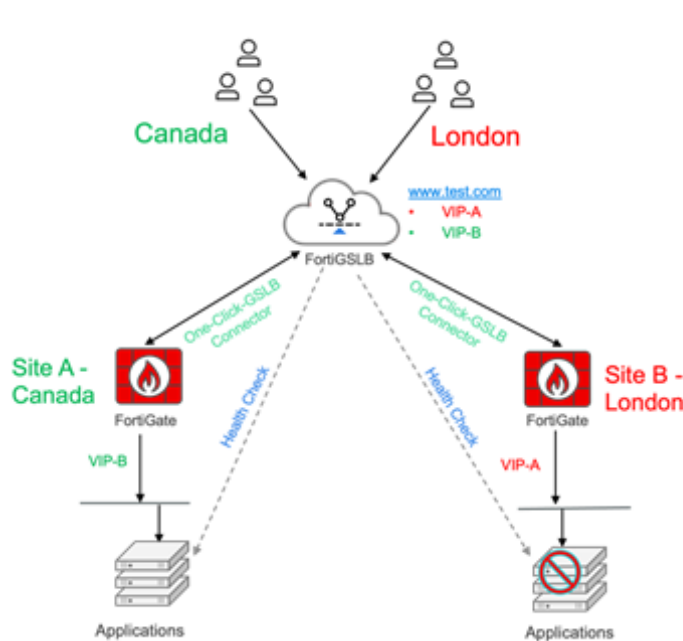
FortiGSLB for ZTNA and VPN Load Balancing

Running globally distributed applications (whether from multiple DCs or moving to hybrid cloud solutions) comes with significant challenges when we ensure the availability of applications becomes more complex. Outages from network issues, cloud failures, or disasters can increase revenue risks and productivity losses from application outages.

FortiGSLB Cloud is a DNS-based service that helps to ensure business continuity by keeping an application online and available when a local area experiences unexpected traffic spikes or network downtime—providing high availability, scalability, and optimal performance of applications and services across geographically dispersed data centers.

By enabling One-Click GSLB, FortiGate simplifies the configuration of Fully Qualified Domain Names (FQDNs) in sync with Virtual IP (VIP) or Zero Trust Network Access (ZTNA) server features. This method benefits FortiGate users who need to load-balance applications across multiple data centers based on availability or geographical factors.

Using Security Fabric Connector, you can deploy a multi-architecture solution in seconds with FortiGate “One-Click-GSLB.”



Application Anywhere with FortiGate

Improve Client QoE, application latency and business continuity

Optimize Application Access:

- Publish a new FQDN in a second
- Automation via “One-Click-GSLB”
- Service Continuity
- Improve user QoE
- Multi-site visibility
- LB decision according to Geo-IP, load, latency, and application availability

ORDER INFORMATION

FORTIGSLB CLOUD			
DNS QUERY PER SECOND	100 QPS	500 1PS	1000 QPS
DNS Subscription	FC2-10-CGSLB-330-02-DD	FC3-10-CGSLB-330-02-DD	FC4-10-CGSLB-330-02-DD
ADVANCED HEALTH CHECK	2	10	100
Health Check Subscription	FC1-10-CGSLB-332-02-DD	FC2-10-CGSLB-332-02-DD	FC4-10-CGSLB-332-02-DD

ORDER INFORMATION

PROFESSIONAL SERVICES	SKU
Per Day Charge for Remote Resource Service (SOW)	FP-10-00000-R08-00-00
Per Day Surcharge for Service Delivered After Hours/ Weekend in addition to the Daily Charge	FP-PS001-AH
Custom Travel and Expenses for On Site Professional Services	FP-MISC-TE
QuickStart Deployment Service*	FP-10-QSNGFW-DP3-00-00

* This service is available for FortiGate Models 1000 to 2600.

The QuickStart is a consulting service that provides assistance for the deployment of a pre-defined configuration into a customer's environment.

The service also includes knowledge transfer to help customers manage the new environment.

FORTIGSLB CLOUD PROFESSIONAL SERVICE

FortiGSLB Cloud provides load balancing across multiple data centers and cloud applications based on GSLB Cloud policies, with site selection according to application/server availability (health checks) and client geolocation. FortiGSLB supports stackable licenses.

FORTIGSLB CLOUD			
LICENSES OFFERING			
DNS Query Per Second	100 QPS	500 QPS	1000 QPS
Advanced Health Check	2	10	100
SERVICES			
Global Application LB	☑	☑	☑
DNS Services	☑	☑	☑
Application Visibility	☑	☑	☑
ADDITIONAL SERVICES			
24x7 Support	☑	☑	☑

TRAINING

FORTINET NSE 4 FortiGate Security

Instructor-led learning of basic FortiGate features, including security profiles.

FORTINET NSE 4 FortiGate Infrastructure

Instructor-led learning of use advanced FortiGate networking and security. Topics include features commonly applied in complex or larger enterprise or MSSP networks, such as advanced routing, transparent mode, redundant infrastructure, site-to-site IPsec VPN, single sign-on (SSO), and diagnostics.

- FT-FGT-SEC – NSE 4/FGT-SEC Training – 3 days
- FT-FGT-INF – NSE 4/FGT-INF Training – 2days

CERTIFICATION

NSE 4 Network Security Professional:

- NSE-EX-CERT

PREREQUISITES

- Knowledge of network protocols
- Basic understanding of firewall concepts
- Knowledge of OSI layers
- Knowledge of firewall concepts in an IPv4 network
- Knowledge of the fundamentals of FortiGate, as presented in the FortiGate Security course

REFERENCE

Course description:

[FortiGate Security](#)

[FortiGate Infrastructure](#)

FREQUENTLY ASKED QUESTIONS

What are typical licenses for customer deployments with Next Gen Datacenter with FortiGates?

Most customer use cases are covered comprehensively by Advanced Threat Protect bundle and the UTP bundle which provides extensive coverage for Device, Content, and Web based threats.

For more information, please visit: https://www.fortinet.com/content/dam/fortinet/assets/data-sheets/FortiGuard_Security_Services.pdf.

How is "Threat Protection" measured and what does it include?

Threat Protection performance is measured with Firewall, IPS, Application Control, and Malware Protection, and logging enabled.

What does the "Unified Threat Protection" license include?

The Unified Threat Protection license includes: IPS, Advanced Malware Protection, Application Control, Botnet DB, Mobile Malware, Outbreak Prevention, Web and Video Filtering, Cloud sandbox, Secure DNS filtering, AntiSpam Service, and 24x7 support.

For more information, please visit: https://www.fortinet.com/content/dam/fortinet/assets/data-sheets/FortiGuard_Security_Services.pdf.

Do I need a license for HA deployments?

All members of HA cluster need to have valid Support contracts and valid licenses for FortiGuard services. It is not sufficient to only have coverage for the Master unit.

Support Contract: All units needs to have valid support contract in order to be able open a support ticket against a specific device.

FortiGuard Services: You must register and license all of the units in a cluster for all required FortiGuard services, both because all cluster units communicate with the FDN and because any cluster unit could potentially become the primary unit.

Where can I find out what transceivers are supported?

Each FortiGate datasheet has a list of transceivers supported by the model typically at the end of the datasheet under the Ordering information section.

How easily can I migrate from either a third party device to Fortinet or migrate from my old FortiGate to a newer FortiGate?

FortiConverter Service provides hassle-free migration to help organizations transition from a wide range of legacy firewalls to FortiGate Next-Generation Firewalls quickly and easily. This one-time service eliminates errors and redundancy by employing best practices with advanced methodologies and automated processes. Organizations can accelerate their network protection with the latest FortiOS technology.

FortiConverter service is also part of the Enterprise Bundle and can be also bought as an ala carte SKU. As an example when migrating to a new FortiGate-80F, FortiConverter Service can be added as an ala carte SKU which is like the below. The "189" highlighted in red in the middle denotes the ala carte FortiConverter service SKU.

FC-10-F80FP-189-02-DD

FortiConverter Service for one time configuration conversion service

What is the Hyperscale License and what does it do?

The FortiGate Hyperscale License allows customers to accelerate Carrier Grade NAT (CGNAT) features directly in Fortinet's latest SPU NP7. This license is primarily for service providers wanting to provide ultra high scale CGNAT service. For more information please refer to:

<https://docs.fortinet.com/document/fortigate/7.0.6/hyperscale-firewall-guide/941439/whats-new>

What is the FortiCarrier License and what does it do?

The FortiCarrier License allows customers to apply inspection and content checking to GPRS Tunneling Protocol (GTP) as it passes through carrier networks as well as Packet Forwarding Control Protocol (PFCP). The FortiCarrier License also allows the FortiGate to act as an SCTP firewall. For more information please refer to : <https://docs.fortinet.com/document/fortigate/7.2.0/fortios-carrier/899244/fortios-carrier>

Do I need to install a GSLB license on FortiGate?

No additional license is required on the FortiGates. However, the FortiGSLB license should be registered on the same account as the one with the FortiGates.

Visit www.fortinet.com for more details



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