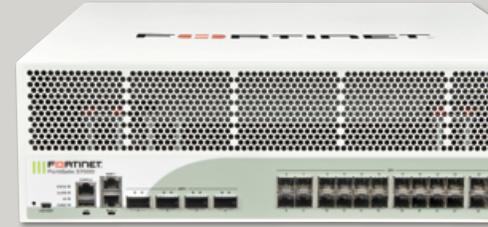




FortiGate® 3700D
High Performance Data Center Firewall



FortiGate 3700D

FortiGate 3700D, 3700D-NEBS, 3700D-DC and 3700D-DC-NEBS

The FortiGate 3700D high performance, high capacity data center firewall provides exceptional performance of 160 Gbps and ultra-low latency, ensuring your data center security solution doesn't become your data center bottleneck.

Eliminate Security Bottlenecks

It delivers this breakthrough performance and protection in a compact 3U form factor with four 40 GE and 28 10 GE interfaces that preserves scarce rack space while maximizing capacity. Powered by the new FortiASIC NP6 processor, the FortiGate 3700D is the first data center appliance to deliver performance parity for IPv4 and IPv6 traffic and dramatically increases VPN performance, enabling you to keep pace with your evolving network.

Flexible Deployment

The FortiGate 3700D gives you the flexibility to choose the firewall personality that best fits your requirements at the Edge or Core. You can take advantage of the high port density for physical segmentation of your network, as well as the virtual domains (VDOMs) for virtual segmentation.

Highlights

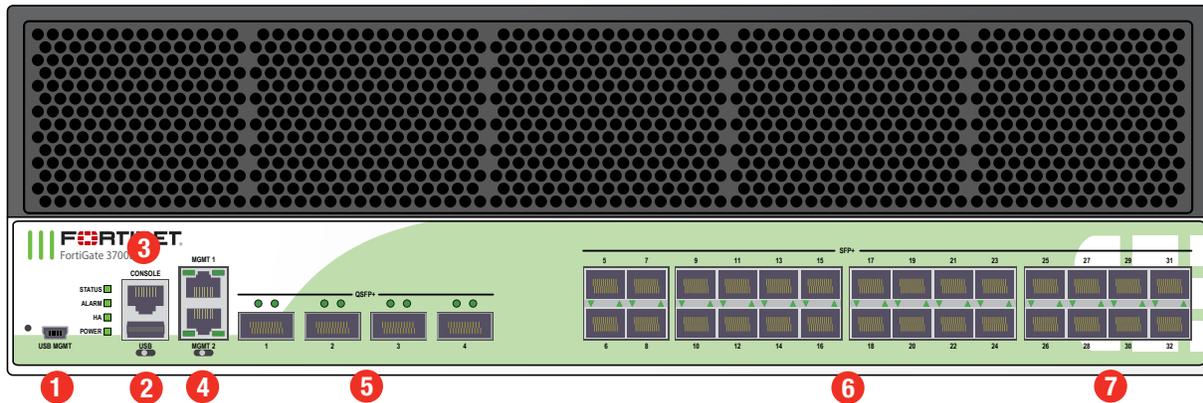
Firewall Performance	IPS Performance	Interfaces
160 Gbps	30 Gbps	Multiple 40 GE QSFP+, 10 GE SFP+, GE SFP and GE RJ45

Performance and Reliability for High Bandwidth Networks

- Breakthrough IPv4 to IPv6 firewall performance parity
- Flexible firewall personalities enable deployment at the Edge or Core
- Compact 3U footprint conserves rack space and minimizes energy consumption
- Freedom to add integrated security technologies (such as IPS, App Control, VPN)
- Cloud-ready multi-tenant support and APIs for rapid orchestration
- FortiOS 5 delivers the most complete, battle-tested set of security functions to protect your network and data



HARDWARE



Interfaces

1. USB Management Port
2. USB Port
3. Console Port
4. 2x GE RJ45 Management Ports
5. 4x 40 GE QSFP Slots

6. 20x 10 GE SFP+ / GE SFP Slots
7. 8x 10 GE SFP+ Slots (Ultra-low latency)



Powered by FortiASICs

- Custom FortiASIC™ processors deliver the power you need to detect malicious content at multi-Gigabit speeds
- Other security technologies cannot protect against today's wide range of content- and connection-based threats because they rely on general-purpose CPUs, causing a dangerous performance gap
- FortiASIC processors provide the performance needed to block emerging threats, meet rigorous third-party certifications, and ensure that your network security solution does not become a network bottleneck

Network Processor

Fortinet's new, breakthrough FortiASIC NP6 network processor works inline with FortiOS functions delivering:

- Superior firewall performance for IPv4/IPv6, SCTP and multicast traffic with ultra-low latency down to 2 microseconds
- VPN, CAPWAP and IP tunnel acceleration
- Anomaly-based intrusion prevention, checksum offload and packet defragmentation
- Traffic shaping and priority queuing

Content Processor

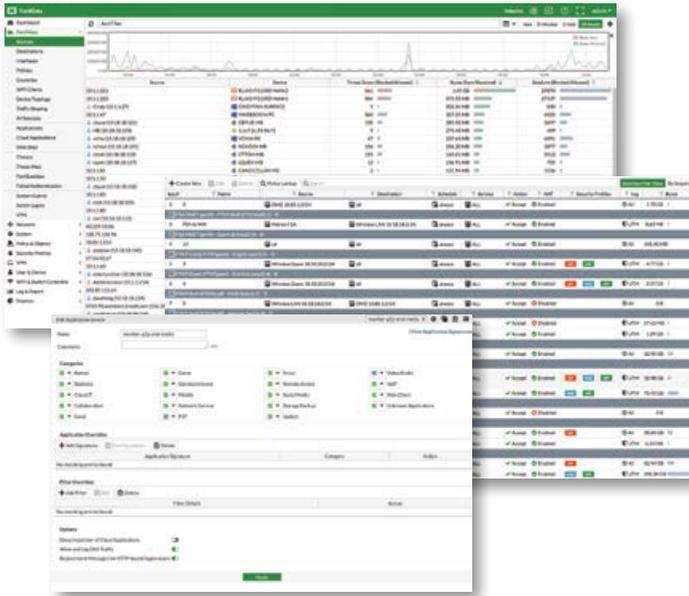
The FortiASIC CP8 content processor works outside of the direct flow of traffic, providing high-speed cryptography and content inspection services including:

- Signature-based content inspection acceleration
- Encryption and decryption offloading

40 GE Connectivity for Core Infrastructure

High speed connectivity is essential for network security segmentation at the core of data networks. The FortiGate 3700D provides one of the highest 40 GE and 10 GE port densities in the market, simplifying network designs without relying on additional devices to bridge desired connectivity.

SOFTWARE



FortiOS Management UI —
FortiView, Policy Table and Application Control Panel

FortiOS

Control all the security and networking capabilities across the entire FortiGate platform with one intuitive operating system. Reduce operating expenses and save time with a truly consolidated next generation security platform.

- A truly consolidated platform with one OS for all security and networking services for all FortiGate platforms.
- Industry-leading protection: NSS Labs Recommended, VB100, AV Comparatives and ICSCA validated security and performance.
- Control thousands of applications, block the latest exploits, and filter web traffic based on millions of real-time URL ratings.
- Detect, contain and block advanced attacks automatically in minutes with integrated advanced threat protection framework.
- Solve your networking needs with extensive routing, switching, WiFi, LAN and WAN capabilities.
- Activate all the ASIC-boosted capabilities you need on the fastest firewall platform available.



For more information, please refer to the FortiOS data sheet available at www.fortinet.com

SERVICES

FortiGuard™ Security Services

FortiGuard Labs offers real-time intelligence on the threat landscape, delivering comprehensive security updates across the full range of Fortinet's solutions. Comprised of security threat researchers, engineers, and forensic specialists, the team collaborates with the world's leading threat monitoring organizations, other network and security vendors, as well as law enforcement agencies:

- **Real-time Updates** — 24x7x365 Global Operations research security intelligence, distributed via Fortinet Distributed Network to all Fortinet platforms.
- **Security Research** — FortiGuard Labs have discovered over 170 unique zero-day vulnerabilities to date, totaling millions of automated signature updates monthly.
- **Validated Security Intelligence** — Based on FortiGuard intelligence, Fortinet's network security platform is tested and validated by the world's leading third-party testing labs and customers globally.



For more information, please refer to <http://forti.net/guard>

FortiCare™ Support Services

Our FortiCare customer support team provides global technical support for all Fortinet products. With support staff in the Americas, Europe, Middle East and Asia, FortiCare offers services to meet the needs of enterprises of all sizes:

- **Enhanced Support** — For customers who need support during local business hours only.
- **Comprehensive Support** — For customers who need around-the-clock mission critical support, including advanced exchange hardware replacement.
- **Premium Services** — For global or regional customers who need an assigned Technical Account Manager, enhanced service level agreements, extended software support, priority escalation, on-site visits and more.
- **Professional Services** — For customers with more complex security implementations that require architecture and design services, implementation and deployment services, operational services and more.



For more information, please refer to <http://forti.net/care>

SPECIFICATIONS

FORTIGATE 3700D	
Interfaces and Modules	
40 GE QSFP Slots	4
10 GE SFP+ / GE SFP Slots	20
10 GE SFP+ Slots (Ultra-low Latency)	8
GE RJ45 Management Ports	2
USB Ports (Client / Server)	1 / 1
Console Port	1
Internal Storage	960 GB
Included Transceivers	2x SFP+ (SR 10GE)
System Performance and Capacity	
Firewall Throughput (1518 / 512 / 64 byte, UDP)	160 / 160 / 110 Gbps
IPv6 Firewall Throughput (1518 / 512 / 86 byte, UDP)	160 / 160 / 110 Gbps
Firewall Latency (64 byte, UDP)	2 µs
Firewall Throughput (Packet per Second)	165 Mpps
Concurrent Sessions (TCP)	50 Million
New Sessions/Second (TCP)	400,000
Firewall Policies	100,000
IPsec VPN Throughput (512 byte)	100 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	40,000
Client-to-Gateway IPsec VPN Tunnels	64,000
SSL-VPN Throughput	10 Gbps
Concurrent SSL-VPN Users (Recommended Maximum)	30,000
IPS Throughput (HTTP / Enterprise Mix)	30 / 20 Gbps
SSL Inspection Throughput	15 Gbps
NGFW Throughput	12 Gbps
CAPWAP Throughput	22 Gbps
Virtual Domains (Default / Maximum)	10 / 500
Maximum Number of FortiAPs (Total / Tunnel Mode)	4,096 / 1,024

FORTIGATE 3700D	
System Performance and Capacity (continued)	
Maximum Number of FortiTokens	5,000
Maximum Number of Registered FortiClients	20,000
High Availability Configurations	Active / Active, Active / Passive, Clustering
Dimensions and Power	
Height x Width x Length (inches)	5.25 x 17.2 x 22.8
Height x Width x Length (mm)	133 x 437 x 579
Weight	46.9 lbs (21.3 kg)
Form Factor	3 RU
AC Power Supply	100–240V AC, 50–60 Hz
DC Power Supply (FG-3700D-DC)	48–72V DC
Power Consumption (Average / Maximum)	725 / 870 W
Heat Dissipation	2,970 BTU/h
Redundant Power Supplies	Yes, Hot Swappable
Operating Environment and Certifications	
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing
Operating Altitude	Up to 7,400 ft. (2,250 m)
Compliance	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

Note: All performance values are "up to" and vary depending on system configuration. IPsec VPN performance is based on 512 byte UDP packets using AES-256+SHA1. NGFW performance is measured with Flow AV (Quick Mode), IPS and Application Control enabled, based on Enterprise Traffic Mix. SSL Inspection is measured with IPS enabled and HTTP traffic, using TLS v1.2 with AES256-SHA. CAPWAP performance is based on 1444 byte UDP packets.

For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet.

ORDER INFORMATION

Product	SKU	Description
FortiGate 3700D	FG-3700D	4x 40 GE QSFP+ slots, 28x 10 GE SFP+ slots, 2x GE RJ45 Management, FortiASIC NP6 and CP8 hardware accelerated, 960 GB onboard storage, and dual AC power supplies.
FortiGate-3700D-NEBS	FG-3700D-NEBS	4x 40 GE QSFP+ slots, 28x 10 GE SFP+ slots, 2x GE RJ45 Management, FortiASIC NP6 and CP8 hardware accelerated, 960 GB onboard storage, and dual AC power supplies, NEBS certified.
FortiGate 3700D-DC	FG-3700D-DC	4x 40 GE QSFP+ slots, 28x 10 GE SFP+ slots, 2x GE RJ45 Management, FortiASIC NP6 and CP8 hardware accelerated, 960 GB onboard storage, and dual DC power supplies.
FortiGate 3700D-DC-NEBS	FG-3700D-DC-NEBS	4x 40 GE QSFP+ slots, 28x 10 GE SFP+ slots, 2x GE RJ45 Management, FortiASIC NP6 and CP8 hardware accelerated, 960 GB onboard storage, and dual DC power supplies, NEBS certified.
Optional Accessories		
Rack Mount Sliding Rails	SP-FG3040B-RAIL	Rack mount sliding rails for FG-1000C/-DC, FG-1200D, FG-1500D/DC, FG-3040B/-DC, FG-3140B/-DC, FG-3240C/-DC, FG-3000D/-DC, FG-3100D/-DC, FG-3200D/-DC, FG-3700D/-DC, FG-3700DX, FG-3810D/-DC and FG-3950B/-DC.
1 GE SFP LX Transceiver Module	FG-TRAN-LX	1 GE SFP LX transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP RJ45 Transceiver Module	FG-TRAN-GC	1 GE SFP RJ45 transceiver module for all systems with SFP and SFP/SFP+ slots.
1 GE SFP SX Transceiver Module	FG-TRAN-SX	1 GE SFP SX transceiver module for all systems with SFP and SFP/SFP+ slots.
10 GE SFP+ Transceiver Module, Short Range	FG-TRAN-SFP+SR	10 GE SFP+ transceiver module, short range for all systems with SFP+ and SFP/SFP+ slots.
10 GE SFP+ Transceiver Module, Long Range	FG-TRAN-SFP+LR	10 GE SFP+ transceiver module, long range for all systems with SFP+ and SFP/SFP+ slots.
40 GE QSFP+ Transceivers, Short Range	FG-TRAN-QSFP+SR	40 GE QSFP+ transceivers, short range for all systems with QSFP+ slots.
40 GE QSFP+ Transceivers, Long Range	FG-TRAN-QSFP+LR	40 GE QSFP+ transceivers, long range for all systems with QSFP+ slots.
AC Power Supply	SP-FG3800D-PS	AC power supply for FG-3700D, FG-3700D-NEBS, FG-3700DX, FG-3810D and FG-3815D.
DC Power Supply	SP-FG3800D-DC-PS	DC power supply for FG-3700D-DC, FG-3700D-DC-NEBS, FG-3810D-DC, FG-3815D-DC.



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