FortiGate® 1200D

High Performance Data Center
and Next Generation Firewall
for the Enterprise

FortiGate 1200D

Enterprises require a high speed, high-capacity firewall to stay ahead
of ever-increasing network performance requirements as well as
continued evolution of the threat landscape, at data center and
campus locations.

Eliminate Security Bottlenecks

With 72 Gbps of firewall throughput and low latency, the FortiGate 1200D represents an
excellent entry model for small data centers and delivers a high-performance, high-capacity
data center firewall. IPv6 parity, 10 GE ports and dramatic increases in VPN performance
enable you to keep pace with your evolving network.

Deeper Visibility

At the same time, 11 Gbps of next generation threat prevention performance allows you to
run top-rated intrusion prevention, application control and antimalware capabilities for deeper
inspection of content, applications, user and device activity. Rich console views and reports
together with a flexible policy engine provide the visibility and control to empower employees
yet secure your enterprise.

Features & Benefits

- Industry-leading 5x next
  generation firewall performance
  and 10x data center firewall

- NSS Labs Recommended NGFW
  and NGIPS delivers top-rated
  protection

- Integrated high port density
  delivers maximum flexibility
  and scalability

- Intuitive management interface
  enables broad and deep visibility
  and control

- Application control plus identity
  and device-based policy
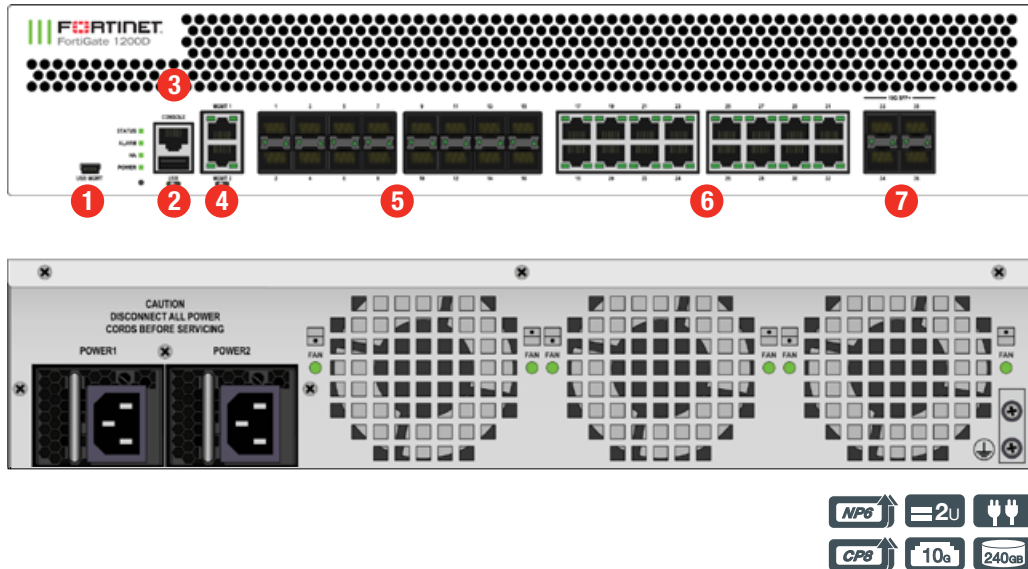 enforcement provides more
  granular protection

Highlights

Firewall Performance	IPS Performance	Interfaces
72 Gbps	11 Gbps	Multiple 10 GE SPF+, GE SFP and GE RJ45

FortiCare Worldwide 24x7 Support
support.fortinet.com

FortiGuard Security Services
www.fortiguard.com

HARDWARE

FortiGate 1200D

Interfaces

1. USB Management Port
2. USB Port
3. Console Port
4. 2x GE RJ45 Management Ports

5. 16x GE SFP Slots
6. 16x GE RJ45 Ports
7. 4x 10 GE SFP+ Slots

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 3 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

10 GE Connectivity

High-speed connectivity is essential for network security segmentation. The FortiGate 1200D provides 10 GE slots that simplify network designs without relying on additional devices to bridge desired connectivity.

SOFTWARE

FortiOS Managment UI — FortiView and Application Control Panel

FortiOS

FortiOS helps you protect your organization against advanced threats, configure and deploy your network security faster and see deep into what's happening inside your network. It enables organization to set up policies specific to types of devices, users and applications with industry-leading security capabilities. FortiOS leverages custom FortiASICs and the Optimum Path Processing architecture of FortiGate to deliver 5 times faster throughput performance. In essence, FortiOS delivers:

- **Comprehensive Security** — Control thousands of applications and stop more threats with NSS Labs Recommended IPS, sandboxing, VB100 certified antimalware and more.
- **Superior Control and Visibility** — Stay in control with rich visibility over network traffic, granular policy control, and intuitive, scalable security and network management.
- **Robust Networking Capabilities** — Optimize your network with extensive switching and routing, high availability, WAN optimization, embedded WiFi controller, and a range of virtual options.

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 1200D
Interfaces and Modules	
Hardware Accelerated 10 GE SFP+ Slots	4
Hardware Accelerated GE SFP Slots	16
Hardware Accelerated GE RJ45 Ports	16
GE RJ45 Management / HA Ports	2
USB Ports (Client / Server)	1 / 1
Console Port	1
Onboard Storage	240 GB
Included Transceivers	0
System Performance and Capacity	
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)	72 / 72 / 52 Gbps
IPv6 Firewall Throughput (1518 / 512 / 86 byte, UDP)	72 / 72 / 52 Gbps
Firewall Latency (64 byte, UDP)	3 µs
Firewall Throughput (Packet per Second)	78 Mpps
Concurrent Sessions (TCP)	11 Mil
New Sessions/Second (TCP)	290,000
Firewall Policies	100,000
IPsec VPN Throughput (512 byte)	48 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	20,000
Client-to-Gateway IPsec VPN Tunnels	50,000
SSL-VPN Throughput	3.6 Gbps
Concurrent SSL-VPN Users (Recommended Maximum)	10,000
IPS Throughput	11 Gbps
Antivirus Throughput	3.5 Gbps
CAPWAP UDP Clear-text Throughput	10.5 Gbps
Virtual Domains (Default / Maximum)	10 / 250
Maximum Number of FortiAPs (Total / Tunnel)	4,096 / 1,024
Maximum Number of FortiTokens	5,000
Maximum Number of Registered Endpoints	8,000
High Availability Configurations	Active-Active, Active-Passive, Clustering

	FORTIGATE 1200D
Dimensions	
Height x Width x Length (inches)	3.5 x 17.24 x 21.81
Height x Width x Length (mm)	89 x 438 x 554
Weight	32.50 lbs (14.70 kg)
Form Factor	Rack Mount, 2 RU
Power	
AC Power Supply	100–240V AC, 50–60 Hz
Maximum Current	100V / 8A, 220V / 4A
Power Consumption (Average / Maximum)	270 W / 332 W
Heat Dissipation	1132 BTU/h
Redundant Power Supplies	Yes, Hot swappable
Environment	
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. Antivirus performance is measured using 44 Kbyte HTTP files. IPS performance is measured using 1 Mbyte HTTP files. IPsec VPN performance is based on 512 byte UDP packets using AES-256+SHA1. LAG support is limited to certain port configurations, please refer to technical documentation. Antivirus Throughput is measured in proxy mode.

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

ORDER INFORMATION

Product	SKU	Description
FortiGate 1200D	FG-1200D	4x 10 GE SFP+ slots, 16x GE SFP slots, 18x GE RJ45 ports (including 16 ports, 2x management/HA ports), FortiASIC NP6 and CP8 hardware accelerated, 240 GB SSD onboard storage, dual AC power supplies.

Optional Accessories/Spares	SKU	Description
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.
10 GE SFP+ Active Direct Attach Cable, 10m / 32.8 ft	SP-CABLE-ADASFP+	10 GE SFP+ active direct attach cable, 10m / 32.8 ft for all systems with SFP+ and SFP/SFP+ slots.
Rack Mount Sliding Rails	SP-FG3040B-RAIL	Rack mount sliding rails for FG-1000C/-DC, FG-1200D, FG-1500D, FG-3040B/-DC, FG-3140B/-DC, FG-3240C/-DC, 3700D and 3950B/-DC.
AC Power Supply	SP-FG1240B-PS	AC power supply for FG-1200D, FG-1240B, FG-1500D, FG-3040B and FG-3140B.

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