

FortiGate® 200D Series

Secure Protection for the Campus Perimeter and Branch Office



The FortiGate 200D series delivers high-speed security and performance for campus perimeter and branch office wired or wireless networks. Purpose-built processors provide up to 4 Gbps firewall throughput, enabling protection of your applications and network without affecting availability or performance. High-density GE interfaces facilitate network growth and expansion.

The FortiGate 200D series provides comprehensive threat protection with Fortinet's unmatched range of enterprise-grade security technologies. They deliver firewall, VPN (IPsec and SSL), intrusion prevention, antivirus/antispyware, antispam, and web filtering technologies. These platforms also provides application control, data loss prevention, dynamic routing for IPv4 and IPv6, endpoint NAC, and SSL-encrypted traffic inspection. These comprehensive security components enable you to deploy required technologies most suited for your unique environment.

Powerful, Secure, Easy to Install

FortiASIC purpose-built processors ensure that your security countermeasures will not become a network bottleneck. The FortiASIC CP8 processor delivers deep inspection security components such as application control, IPS and anti-malware. The FortiASIC NP4Lite processor delivers firewall and VPN throughput at switching speeds by performing high-speed processing of network flows. The FortiGate 200D series installs in minutes, automatically downloading regular updates to protect against the latest viruses, network vulnerabilities, worms, spam and phishing attacks, and malicious websites with no administrator intervention. Onboard storage provide local archiving of data for policy compliance and/or web caching.

Key Features & Benefits

Consolidated Security Architecture	FortiGate consolidated security offers better protection and lower cost of ownership than stand-alone security products.
High Port Density	Up to 90x GE ports facilitate flexible deployment of network segments and promotes network expansion and high availability configurations.
Single Pane of Glass Management	Reduces complexity and decreases costs as all security functions can be managed through one console.
Power over Ethernet	Seamless integration of peripheral devices in a secure environment.

Performance and Protection for Mid-size Networks

- High port density delivers maximum flexibility and scalability
- Application control coupled with identity-based policy enforcement provides complete content protection
- Strong authentication options for policy compliance
- IPv6 certified platform



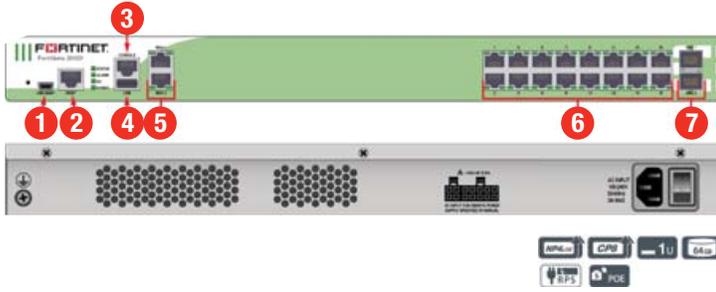
FortiCare
Worldwide 24x7 Support
support.fortinet.com



FortiGuard
Threat Research & Response
www.fortiguard.com

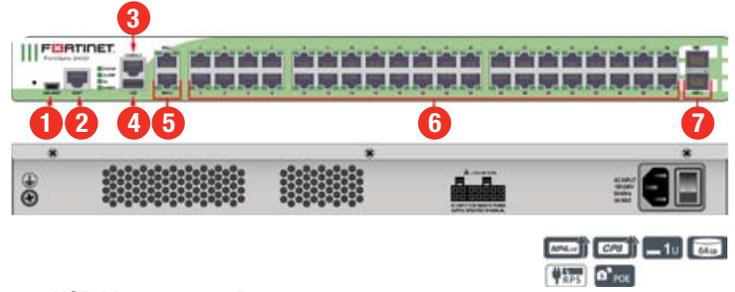
HARDWARE

FortiGate 200D(-POE)



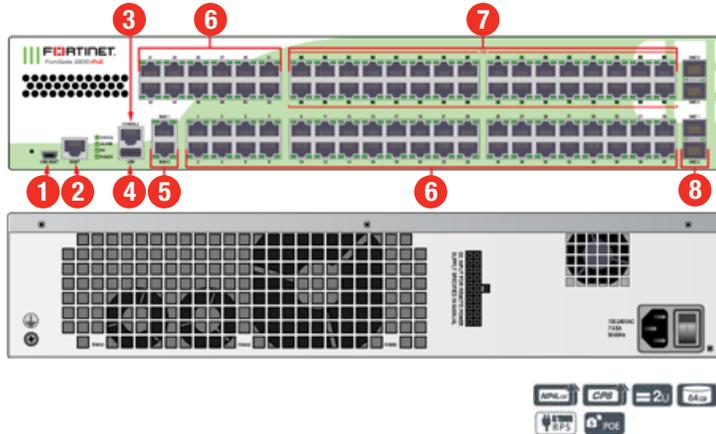
1. USB Management Port
2. Management Port
3. Console Port
4. USB Port
5. 2x GE RJ45 WAN Interfaces
6. 16x GE RJ45 LAN Interfaces / 8x GE RJ45 LAN and 8x GE RJ45 PoE Interfaces on POE Model
7. 2x GE SFP DMZ Interfaces

FortiGate 240D(-POE)



1. USB Management Port
2. Management Port
3. Console Port
4. USB Port
5. 2x GE RJ45 WAN Interfaces
6. 40x GE RJ45 LAN Interfaces / 16x GE RJ45 LAN and 24x GE RJ45 PoE Interfaces on POE Model
7. 2x GE SFP DMZ Interfaces

FortiGate 280D-POE



1. USB Management Port
2. Management Port
3. Console Port
4. USB Port
5. 2x GE RJ45 WAN Interfaces
6. 52x GE RJ45 LAN Interfaces
7. 32x GE RJ45 PoE LAN Interfaces
8. 4x GE SFP DMZ Interfaces



Powered by
FortiASICs

- Custom 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

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

Network Processor

The FortiASIC NP4Lite network processor works inline with firewall and VPN functions delivering:

- Wire-speed firewall performance for any size packets
- VPN acceleration
- Anomaly-based intrusion prevention, checksum offload and packet defragmentation
- Traffic shaping and priority queuing

HIGHLIGHTS

FortiOS — The World's Most Advanced Security Operating System

- **Feature Select**

Instantly fine-tunes the FortiGate based on desired deployment needs using feature presets. Simplifies user administration and configurations while providing flexibility for different deployment modes.

- **Contextual Visibility**

Presents critical deep insights into historic or real-time network activities with data on threat details, IPs, users, devices, applications and more. Allows administrators to quickly understand threats and stop them.

- **Advanced Security**

Multiple advanced technologies can be coordinated to look for and stop today's blended, targeted or unknown attacks. Efficient packet handling improves performance while lowering latencies and reducing network complexities.

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

Industry Validation

The FortiGate family of physical and virtual appliances has earned more certifications than any other vendor by consistently meeting rigorous third-party standards. Our industry-leading technology provides you with air-tight security which you can safely count on.

More Protection and Better ROI

The FortiGate constantly evolves itself in its mission to provide more value for users. Extended features such as WiFi controller, integrated token server, endpoint control and WAN optimization add more security to organizations without incurring additional cost.

Complete and Real-time Security

Fortinet FortiGuard Subscription Services provide automated, real-time, up-to-date protection against the latest security threats. Our threat research labs are located worldwide, providing 24x7 updates when you most need it.

World-Class Technical Support and Documentation

Fortinet FortiCare support offerings provide comprehensive global support for all Fortinet products and services. You can rest assured your Fortinet security products are performing optimally and protecting your users, applications, and data around the clock.



FortiOS Dashboard — Single Pane of Glass Management

ORDER INFORMATION

Product	SKU	Description
FortiGate 200D	FG-200D	18x GE RJ45 (including 16x LAN ports, 2x WAN ports), 2x GE SFP DMZ ports, 64 GB onboard storage.
FortiGate 200D-POE	FG-200D-POE	18x GE RJ45 (including 8x LAN and 2x WAN, 8x PoE), 2x SFP, 64 GB onboard SSD storage.
FortiGate 240D	FG-240D	42x GE RJ45 ports (including 40x LAN ports, 2x WAN ports), 2x GE SFP DMZ ports, 64 GB onboard storage.
FortiGate 240D-POE	FG-240D-POE	42x GE RJ45 ports (including 16x LAN ports, 2x WAN ports, 24x PoE ports), 2x GE SFP slots, 64 GB onboard SSD storage.
FortiGate 280D-POE	FG-280D-POE	86x GE RJ45 ports (including 52x LAN ports, 2x WAN ports, 32x PoE ports), 4x GE SFP DMZ ports, 64 GB onboard storage.
Optional Accessories	SKU	Description
External redundant AC power supply	FRPS-100	External redundant AC power supply for up to 4 units: FG-200B, FG-300C, FG-310B, FG-200D/240D and FG-300D. Up to 2 units: FG-500D, FDD-400B and FDD-800B

SPECIFICATIONS

	FORTIGATE 200D	FORTIGATE 200D-POE	FORTIGATE 240D	FORTIGATE 240D-POE	FORTIGATE 280D-POE
Hardware Specifications					
GE RJ45 WAN Interfaces	2	2	2	2	2
GE RJ45 LAN Interfaces	16	8	40	16	52
GE RJ45 PoE LAN Interfaces	–	8	–	24	32
GE SFP DMZ Interfaces	2	2	2	2	4
USB (Client / Server)	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Console (RJ45)	1	1	1	1	1
Local Storage	64 GB	64 GB	64 GB	64 GB	64 GB
Included Transceivers	0	0	0	0	0
System Performance					
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	3 / 3 / 3 Gbps	3 / 3 / 3 Gbps	4 / 4 / 4 Gbps	4 / 4 / 4 Gbps	4 / 4 / 4 Gbps
Firewall Latency (64 byte UDP packets)	2 µs	2 µs	6 µs	6 µs	2 µs
Firewall Throughput (Packets Per Second)	4.5 Mpps	4.5 Mpps	6 Mpps	6 Mpps	6 Mpps
Concurrent Sessions (TCP)	3.2 Million	3.2 Million	3.2 Million	3.2 Million	3.2 Million
New Sessions/Sec (TCP)	77,000	77,000	77,000	77,000	77,000
Firewall Policies	10,000	10,000	10,000	10,000	10,000
IPsec VPN Throughput (512 byte packets)	1.3 Gbps	1.3 Gbps	1.3 Gbps	1.3 Gbps	1.3 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	2,000	2,000	2,000	2,000	2,000
Client-to-Gateway IPsec VPN Tunnels	5,000	5,000	5,000	5,000	5,000
SSL-VPN Throughput	400 Mbps	400 Mbps	400 Mbps	400 Mbps	400 Mbps
Concurrent SSL-VPN Users (Recommended Maximum)	300	300	300	300	300
IPS Throughput	1.7 Gbps	1.7 Gbps	2.1 Gbps	2.1 Gbps	2.1 Gbps
Antivirus Throughput (Proxy Based / Flow Based)	600 / 1,100 Mbps	600 / 1,100 Mbps	600 / 1,100 Mbps	600 / 1,100 Mbps	600 / 1,100 Mbps
CAPWAP Clear-text Throughput (HTTP)			1.75 Gbps		
Virtual Domains (Default / Maximum)			10 / 10		
Maximum Number of FortiAPs (Total / Tunnel Mode)			128 / 64		
Maximum Number of FortiTokens			1,000		
Maximum Number of Registered FortiClients			600		
High Availability Configurations			Active / Active, Active / Passive, Clustering		
Dimensions					
Height x Width x Length (inches)	1.75 x 17.01 x 11.73	1.75 x 17.01 x 13.14	1.75 x 17.01 x 11.73	1.75 x 17.01 x 13.14	3.5 x 17.2 x 11.8
Height x Width x Length (mm)	44 x 432 x 298	44 x 432 x 334	44 x 432 x 298	44 x 432 x 334	89 x 437 x 300
Form Factor	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 2 RU
Weight	10.5 lbs (4.8 kg)	12.6 lbs (5.7 kg)	10.5 lbs (4.8 kg)	13.2 lbs (6.0 kg)	17.0 lbs (7.6 kg)
Environment					
Power	100–240V AC, 50–60 Hz	100–240V AC, 50–60 Hz	100–240V AC, 50–60 Hz	100–240V AC, 50–60 Hz	100–240V AC, 50–60 Hz
Maximum Current	110 V / 3 A, 220 V / 1.5 A	110 V / 7 A, 220 V / 3.5 A	110 V / 3 A, 220 V / 1.5 A	110 V / 7 A, 220 V / 3.5 A	110 V / 7 A, 220 V / 3.5 A
Total Available PoE Power Budget	–	270 W	–	270 W	270 W
Power Consumption (Average / Maximum)	49 / 83 W	122 / 205 W	66 / 99 W	211 / 375 W	228 / 418 W
Heat Dissipation	283 BTU / h	700 BTU / h	338 BTU / h	1280 BTU / h	1426 BTU/h
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.



GLOBAL HEADQUARTERS

Fortinet Inc.
899 Kifer Road
Sunnyvale, CA 94086
United States
Tel: +1.408.235.7700
Fax: +1.408.235.7737

EMEA SALES OFFICE

120 rue Albert Caquot
06560, Sophia Antipolis,
France
Tel: +33.4.8987.0510
Fax: +33.4.8987.0501

APAC SALES OFFICE

300 Beach Road #20-01
The Concourse
Singapore 199555
Tel: +65.6513.3730
Fax: +65.6223.6784

LATIN AMERICA SALES OFFICE

Prol. Paseo de la Reforma 115 Int. 702
Col. Lomas de Santa Fe,
C.P. 01219
Del. Alvaro Obregón
México D.F.
Tel: 011-52-(55) 5524-8480

Copyright© 2014 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.