

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 GbE 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 90 x 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



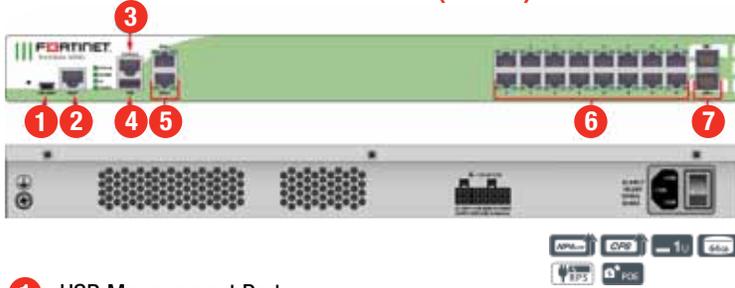
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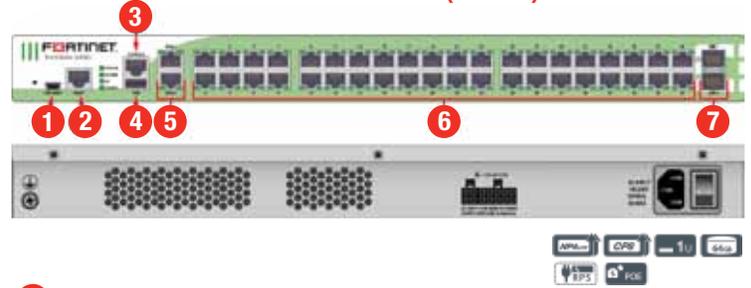
HARDWARE

FortiGate-200D(-POE)



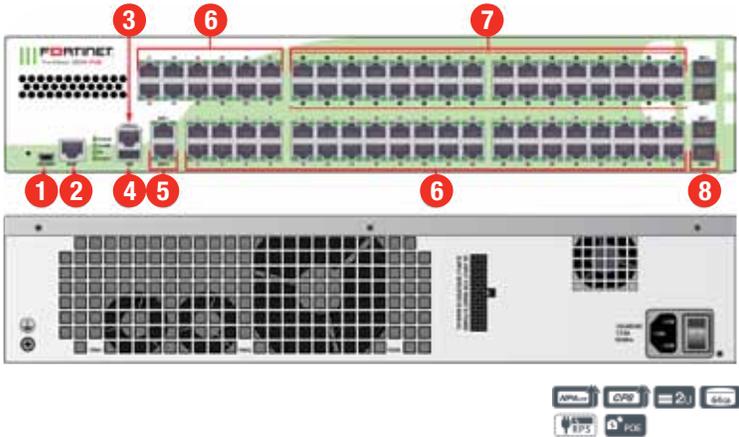
- 1 USB Management Port
- 2 Management Port
- 3 Console Port
- 4 USB Port
- 5 2 x GE RJ45 WAN Interfaces
- 6 16 x GE RJ45 LAN Interfaces / 8 x GE RJ45 LAN and 8 x GE RJ45 PoE Interfaces on POE Model
- 7 2 x GE SFP DMZ Interfaces

FortiGate-240D(-POE)



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

FortiGate-280D-POE



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

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.

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.



FortiOS Dashboard — Single Pane of Glass Management

ORDER INFORMATION

Product	SKU	Description
FortiGate-200D	FG-200D	18 x GE RJ45 (including 16 x LAN ports, 2 x WAN ports), 2x GE SFP DMZ ports, 64GB onboard storage
FortiGate-200D-POE	FG-200D-POE	18x GE RJ45 (including 8x LAN and 2x WAN, 8x POE), 2x SFP, 64GB onboard SSD storage
FortiGate-240D	FG-240D	42 x GE RJ45 ports (including 40 x LAN ports, 2 x WAN ports), 2 x GE SFP DMZ ports, 64GB onboard storage
FortiGate-240D-POE	FG-240D-POE	42x GE RJ45 ports (including 16x LAN ports, 2 x WAN ports, 24x POE ports), 2 x GE SFP slots, 64GB onboard SSD storage
FortiGate-280D-POE	FG-280D-POE	86 x GE RJ45 ports (including 52 x LAN ports, 2 x WAN ports, 32 x PoE ports), 4 x GE SFP DMZ ports, 64GB 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		
Console (RJ45)			1		
Local Storage			64 GB		
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 Max)	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
Virtual Domains (Default / Max)			10 / 10		
Max Number of FortiAPs (Total / Tunnel Mode)			128 / 64		
Max Number of FortiTokens			1,000		
Max Number of Registered FortiClients			600		
High Availability Configurations			Active / Active, Active / Passive, Clustering		
Dimensions					
Height x Width x Length	1.75 x 17.01 x 11.73 in (44 x 432 x 298 mm)	1.75 x 17.01 x 11.73 in (44 x 432 x 298 mm)	1.75 x 17.01 x 11.73 in (44 x 432 x 298 mm)	1.75 x 17.01 x 11.73 in (44 x 432 x 298 mm)	3.5 x 17.2 x 11.8 in (89 x 437 x 300 mm)
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)	10.5 lbs (4.8 kg)	10.5 lbs (4.8 kg)	10.5 lbs (4.8 kg)	17.0 lbs (7.6 kg)
Environment					
Power	100 - 240 VAC, 50 - 60 Hz	100 - 240 VAC, 50 - 60 Hz	100 - 240 VAC, 50 - 60 Hz	100 - 240 VAC, 50 - 60 Hz	100 - 240 VAC, 50 - 60 Hz
Max 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 (Avg / Max)	55 / 79 W	131 / 191 W	80 / 98 W	220 / 335 W	329 / 340 W
Heat Dissipation	270 BTU/h	652 BTU/h	335 BTU/h	1211 BTU/h	1158 BTU/h
Operating Temperature / Storage Temperature	32 - 104 °F (0 - 40 °C) / -31 - 158 °F (-35 - 70 °C)				
Humidity	20 to 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.



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