FortiGate® 200D Series

Secure Protection for the Campus Perimeter and Branch Office

FortiGate 200D Series

FortiGate 200D, 200D-POE, 240D, 240D-POE and 280D-POE

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 provide 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.

Highlights

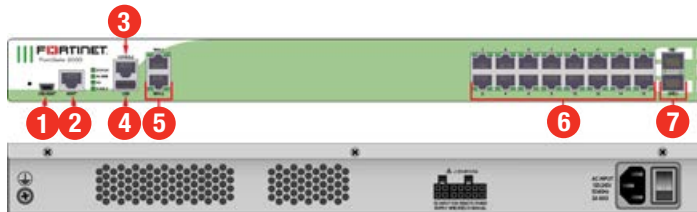|	Firewall Performance	IPS Performance	Interfaces
200D / 200D-POE	3 Gbps	1.7 Gbps	Multiple GE SFP DMZ and GE RJ45
240D / 240D-POE / 280D-POE	4 Gbps	2.1 Gbps	Multiple GE SFP DMZ and GE RJ45

Features & Benefits

- 5 times faster hardware accelerated next generation firewall offers best-in-class price/performance ratio

- Integrated high port density delivers maximum flexibility and scalability

- NSS Labs Recommended NGFW and NGIPS with consolidated security delivers top-rated protection

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

- Intuitive management interface enables broad and deep visibility that scales from a single FortiGate to thousands

ICSAlabs CERTIFIED ANTI-VIRUS   ICSAlabs CERTIFIED FIREWALL- CORPORATE   ICSAlabs CERTIFIED IPSEC - BASIC

ICSAlabs CERTIFIED SSL VPN   ICSAlabs CERTIFIED WEB APPLICATION FIREWALL

FortiCare Worldwide 24x7 Support
support.fortinet.com

FortiGuard Security Services
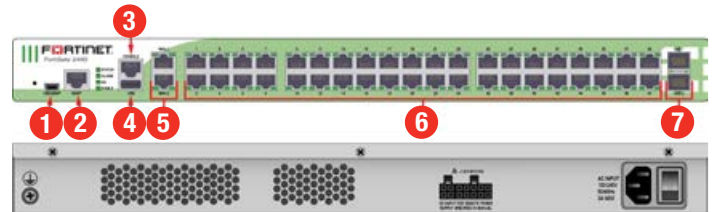www.fortiguard.com

HARDWARE

FortiGate 200D(-POE)

Interfaces

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)

Interfaces

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
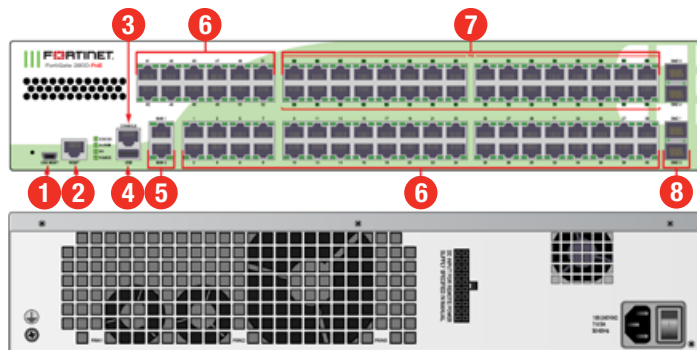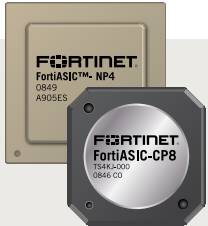7. 2x GE SFP DMZ Interfaces

FortiGate 280D-POE

Interfaces

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

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 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/Second (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	600 Mbps	600 Mbps	600 Mbps	600 Mbps	600 Mbps
CAPWAP Clear-text Throughput (HTTP)	1.75 Gbps	1.75 Gbps	1.75 Gbps	1.75 Gbps	1.75 Gbps
Virtual Domains (Default / Maximum)	10 / 10	10 / 10	10 / 10	10 / 10	10 / 10
Maximum Number of FortiAPs (Total / Tunnel Mode)	128 / 64	128 / 64	128 / 64	128 / 64	128 / 64
Maximum Number of FortiTokens	1,000	1,000	1,000	1,000	1,000
Maximum Number of Registered FortiClients	600	600	600	600	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
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)
Form Factor	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 1 RU	Rack Mount, 2 RU
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)	32–104°F (0–40°C)	32–104°F (0–40°C)	32–104°F (0–40°C)	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)	-31–158°F (-35–70°C)	-31–158°F (-35–70°C)	-31–158°F (-35–70°C)	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing	20–90% non-condensing	20–90% non-condensing	20–90% non-condensing	20–90% non-condensing
Operating Altitude	Up to 7,400 ft (2,250 m)	Up to 7,400 ft (2,250 m)	Up to 7,400 ft (2,250 m)	Up to 7,400 ft (2,250 m)	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. Antivirus Throughput is measured in proxy mode.

* Maximum loading on each PoE port is 15.4 W (802.3af).

ORDER INFORMATION

Product	SKU	Description
FortiGate 200D	FG-200D	18x GE RJ45 (including 16x LAN ports, 2x WAN ports), 2x GE SFP DMZ ports, FortiASIC NP4Lite and CP8 hardware accelerated, 64 GB onboard SDD storage.
FortiGate 200D-POE	FG-200D-POE	18x GE RJ45 (including 8x LAN and 2x WAN, 8x POE), 2x SFP, FortiASIC NP4Lite and CP8 hardware accelerated, 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, FortiASIC NP4Lite and CP8 hardware accelerated, 64 GB onboard SSD 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, FortiASIC NP4Lite and CP8 hardware accelerated, 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, FortiASIC NP4Lite and CP8 hardware accelerated, 64 GB onboard SSD storage.
Optional Accessories		
External redundant AC power supply	FRPS-100	External redundant AC power supply for up to 4 units: FG-300C, FG-310B, FS-348B and FS-448B. Up to 2 units: FG-200B, FG-200D, FG-240D and FG-300D, FG-500D, FDD-200B, FDD-400B and FDD-800B. Not supported for: FG-200D-POE/240D-POE

FORTINET®

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