FortiGate® 200D Series
Distributed Enterprise Firewall
Next Generation Firewall

FortiGate 200D Series

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

The Fortinet Enterprise Firewall Solution

The Fortinet Enterprise Firewall Solution delivers end-to-end network security with one platform, one network security operating system and unified policy management with a single pane of glass—for the industry's best protection against the most advanced security threats and targeted attacks.

One Enterprise Firewall Solution across the Extended Enterprise

The FortiGate family of network appliances represents the industry's broadest range of enterprise firewall platforms. FortiGate is based on FortiASIC, a purpose-built integrated architecture that provides extremely high throughput and exceptionally low latency, while delivering industry-leading security effectiveness and consolidation which is routinely validated by independent real-world tests. Targeted for mid-enterprises, the FortiGate 200D series contains superior security inspection functionality, deep visibility and high performance.

Validated Security One Network OS Performance

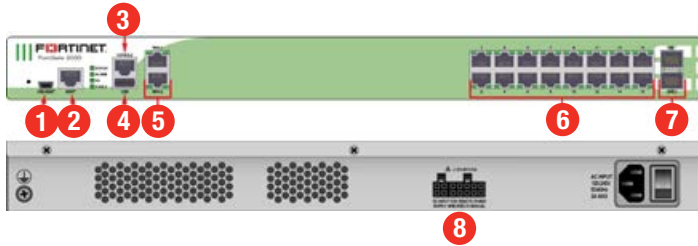Single Pane of Glass Universal Platform Support

FORTINET SECURITY FABRIC

FortiGate appliances, interconnected with the Fortinet Security Fabric, form the backbone of the Fortinet Enterprise Solution

forti.net/sf

ICSA labs CERTIFIED ANTI-VIRUS   ICSA labs CERTIFIED FIREWALL - CORPORATE   ICSA labs CERTIFIED IPSEC - BASIC

ICSA labs CERTIFIED SSL VPN   ICSA labs CERTIFIED NETWORK IPS

Highlights

	Firewall	IPS	NGFW	Threat Protection	Interfaces
			Enterprise Traffic Mix		
FG-200D / 200D-POE	3 Gbps	350 Mbps	330 Mbps	310 Mbps	Multiple GE SFP DMZ and GE RJ45
240D / 240D-POE / 280D-POE	4 Gbps	350 Mbps	330 Mbps	310 Mbps	Multiple GE SFP DMZ and GE RJ45

Security Fabric Extensions

FortiAP
forti.net/fap

FortiClient
forti.net/fct

FortiToken
forti.net/ftk

FortiSwitch
forti.net/fsw

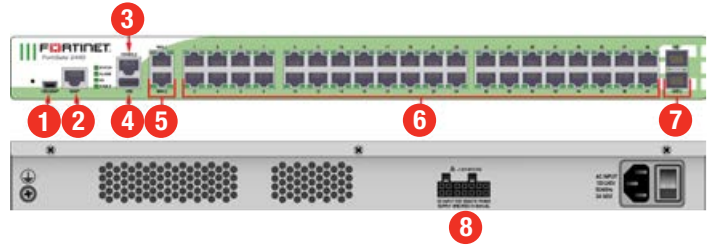FortiSandbox
forti.net/fsa

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
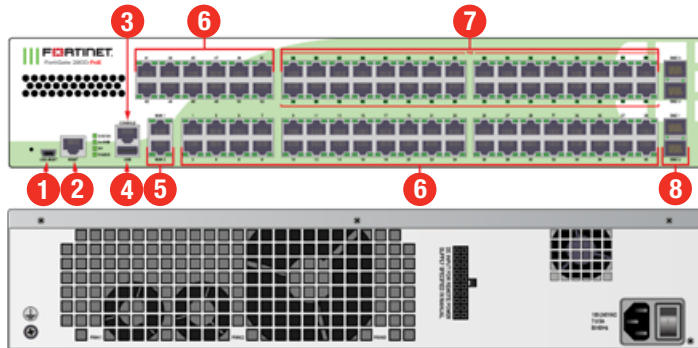8. FRPS Connector (not available on FG-200D-POE)

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
8. FRPS Connector (not available on FG-240D-POE)

FortiGate 280D-POE

Interfaces

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

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 ICSA 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.

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.
- **Advanced 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.

Enterprise Bundle
FortiGuard Labs delivers a number of security intelligence services to augment the FortiGate firewall platform. You can easily optimize the protection capabilities of your FortiGate with the FortiGuard Enterprise Bundle. This bundle contains the full set of FortiGuard security services plus FortiCare service and support offering the most flexibility and broadest range of protection all in one package.

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)	2 Million	2 Million	2 Million	2 Million	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 (HTTP / Enterprise Mix) [1]	1.7 Gbps / 350 Mbps	1.7 Gbps / 350 Mbps	2.1 Gbps / 350 Mbps	2.1 Gbps / 350 Mbps	2.1 Gbps / 350 Mbps
SSL Inspection Throughput [2]	340 Mbps	340 Mbps	340 Mbps	340 Mbps	340 Mbps
Application Control Throughput [3]	600 Mbps	600 Mbps	600 Mbps	600 Mbps	600 Mbps
NGFW Throughput [4]	330 Mbps	330 Mbps	330 Mbps	330 Mbps	330 Mbps
Threat Protection Throughput [5]	310 Mbps	310 Mbps	310 Mbps	310 Mbps	310 Mbps
CAPWAP Throughput [6]	1.8 Gbps	1.8 Gbps	1.8 Gbps	1.8 Gbps	1.8 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; USGv6/IPv6			

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. 1. IPS performance is measured using 1 Mbyte HTTP and Enterprise Traffic Mix. 2. SSL Inspection is measured with IPS enabled and HTTP traffic, using TLS v1.2 with AES256-SHA. 3. Application Control performance is measured with 64 Kbytes HTTP traffic. 4. NGFW performance is measured with IPS and Application Control enabled, based on Enterprise Traffic Mix. 5. Threat Protection performance is measured with IPS and Application Control and Malware protection enabled, based on Enterprise Traffic Mix. 6. 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.

* 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-400D, FG-500D, FG-600D, FHV-500D, FDD-200B, FDD-400B, FDD-600B and FDD-800B.
Redundant AC power supply	FRPS-740-FG	Redundant AC power supply for up to 2 units: FG-240D-POE and FG-280D-POE.

GLOBAL HEADQUARTERS
Fortinet Inc.
899 Kifer Road
Sunnyvale, CA 94086
United States
Tel: +1.408.235.7700
www.fortinet.com/sales

EMEA SALES OFFICE
905 rue Albert Einstein
Valbonne 06560
Alpes-Maritimes, France
Tel: +33.4.8987.0500

APAC SALES OFFICE
300 Beach Road 20-01
The Concourse
Singapore 199555
Tel: +65.6395.2788

LATIN AMERICA SALES OFFICE
Sawgrass Lakes Center
13450 W. Sunrise Blvd., Suite 430
Sunrise, FL 33323
United States
Tel: +1.954.368.9990