

FortiGate® 400D



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.**



Security Fabric Integration

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



Deployment Modes

Next Generation Firewall
Internal Segmentation Firewall



Hardware Acceleration

SPU NP6 and CP8



Third-Party Certifications



16 Gbps
Firewall

6 Million
Concurrent Sessions



2 Gbps
IPS



1.7 Gbps
NGFW



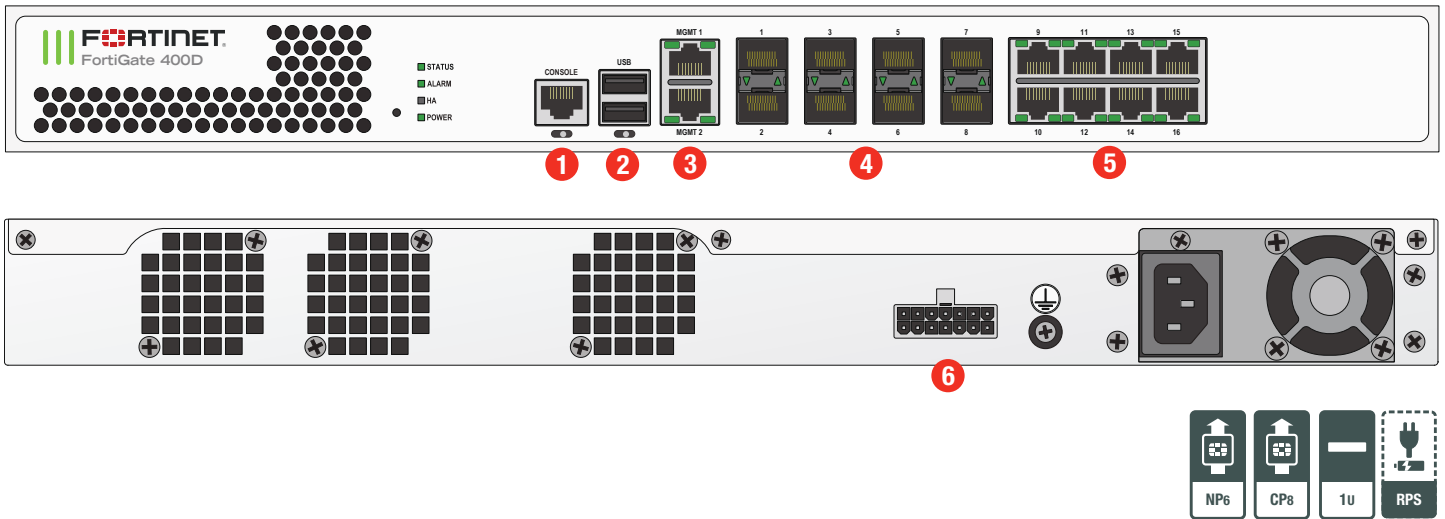
1.5 Gbps
Threat Protection



Multiple GE RJ45 and GE SFP slots

HARDWARE

FortiGate 400D



Interfaces

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Console Port (RJ45) 2. 2x USB Ports 3. 2x GE RJ45 Management Ports | <ol style="list-style-type: none"> 4. 8x GE SFP Slots 5. 8x GE RJ45 Ports 6. FRPS Connector |
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Powered by SPU

- Custom SPU 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
- SPU 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 SPU 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 2 microseconds
- VPN, CAPWAP and IP tunnel acceleration
- Anomaly-based intrusion prevention, checksum offload and packet defragmentation
- Traffic shaping and priority queuing

Content Processor

The SPU 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

SPECIFICATIONS

FORTIGATE 400D	
Interfaces and Modules	
GE RJ45 Interfaces	8
GE SFP Slots	8
GE RJ45 Management Ports	2
USB (Client / Server)	1 / 2
RJ45 Console Port	1
Local Storage	N/A
Included Transceivers	2x SFP (SX 1 GE)
System Performance and Capacity	
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)	16 / 16 / 16 Gbps
Firewall Latency (64 byte, UDP)	3 µs
Firewall Throughput (Packet per Second)	24 Mpps
Concurrent Sessions (TCP)	5.5 Million
New Sessions/Second (TCP)	200,000
Firewall Policies	10,000
IPsec VPN Throughput (512 byte)	14 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	2,000
Client-to-Gateway IPsec VPN Tunnels	10,000
SSL-VPN Throughput	350 Mbps
Concurrent SSL-VPN Users (Recommended Maximum)	500
IPS Throughput (HTTP / Enterprise Mix) ¹	2.8 / 2 Gbps
SSL Inspection Throughput ²	1.9 Gbps
Application Control Throughput ³	2.5 Gbps
NGFW Throughput ⁴	1.7 Gbps
Threat Protection Throughput ⁵	1.5 Gbps
CAPWAP Throughput ⁶	6 Gbps
Virtual Domains (Default / Maximum)	10 / 10
Maximum Number of FortiAPs (Total / Tunnel)	512 / 256
Maximum Number of FortiTokens	1,000
Maximum Number of Registered Endpoints	600
High Availability Configurations	Active-Active, Active-Passive, Clustering

FORTIGATE 400D	
Dimensions and Power	
Height x Width x Length (inches)	1.73 x 17 x 12.68
Height x Width x Length (mm)	44 x 432 x 322
Weight	10.5 lbs (4.8 kg)
Form Factor	1 RU
Power Consumption (Average / Maximum)	113 W / 202 W
Power Source	100–240V AC, 60–50 Hz
Current (Maximum)	110V/4A, 220V/2A
Heat Dissipation	690 BTU/h
Operating Environment and Certifications	
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; 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.

ORDER INFORMATION

Product	SKU	Description
FortiGate 400D	FG-400D	10x GE RJ45 ports, 8x GE SFP slots, SPU NP6 and CP8 hardware accelerated.
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
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.



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