

Concurrent
Sessions
5 Million

FortiGate® 800D

Next Generation Firewall

Secure SD-WAN

Secure Web Gateway

IPS



Dòng sản phẩm FortiGate/FortiWifi 800D cung cấp giải pháp SD-WAN tập trung vào ứng dụng, có thể mở rộng và bảo mật dữ liệu, cùng với thể hệ Firewall tiếp theo (NGFW), phù hợp cho các văn phòng, chi nhánh doanh nghiệp quy mô vừa và lớn.

FortiGate/FortiWifi 800D bảo vệ hệ thống mạng của bạn khỏi các mối đe dọa mạng bằng khả năng tăng tốc hệ thống trên chip cùng với công nghệ bảo mật hàng đầu SD-WAN. Đây là một giải pháp đơn giản, giá cả phải chăng và dễ triển khai.

Fortinet's Security-Driven Networking cung cấp khả năng tích hợp mạng của bạn với nền tảng bảo mật thế hệ mới

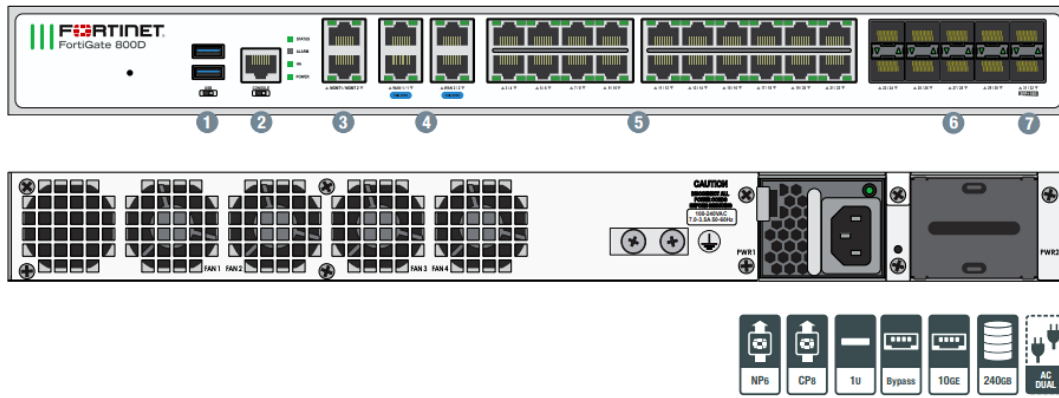
Tính năng nổi bật

- Số cổng: 2x 10 GE SFP+, 8x GE SFP, 20x GE RJ45
- Local storage: 1x 240 GB SSD
- Firewall Throughput (1518/512/64 byte UDP): 36 / 36 / 22 Gbps
- IPsec VPN Throughput (512 byte): 20 Gbps
- IPS Throughput (Enterprise Mix): 42 Gbps
- NGFW Throughput (Enterprise Mix): 4 Gbps
- Threat Protection Throughput (Ent. Mix): 3 Gbps
- Firewall Latency: 3 μs
- Concurrent Sessions: 5 Million
- New Sessions/Sec: 28,000
- Firewall Policy: 10,000
- Max G/W to G/W IPSEC Tunnels: 20,000
- Max Client to G/W IPSEC Tunnels: 50,000
- SSL VPN Throughput: 2.2 Gbps
- Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode): 5,000
- SSL Inspection Throughput (IPS, avg. HTTPS): 3.9 Gbps
- Application Control Throughput (HTTP 64K): 9 Gbps

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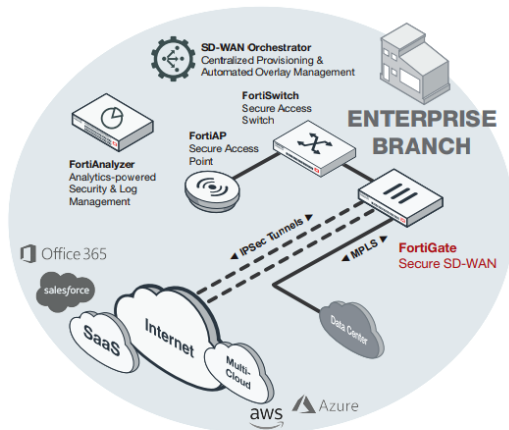
INTERCOM
Connect to Values

FortiGate 800D

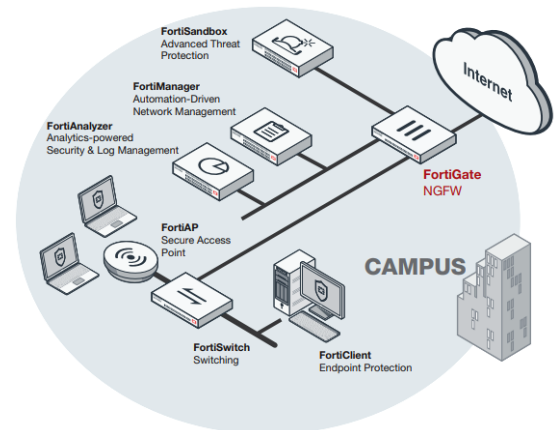


Interfaces

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. USB Ports 2. Console Port 3. 2x GE RJ45 Management Ports 4. 2x Bypass GE RJ45 Pairs | <ul style="list-style-type: none"> 5. 20x GE RJ45 Ports 6. 8x GE SFP Slots 7. 2x 10 GE SFP+ Slots |
|---|--|



FortiGate 800D deployment in Enterprise Branch (Secure SD-WAN)



FortiGate 800D deployment in Campus (NGFW)

Bundles

	360 Protection	Enterprise Protection	UTM	Thread Protection
FortiCare	ASE ¹	24/7	24/7	24/7
FortiGuard App Control Service	●	●	●	●
FortiGuard IPS Service	●	●	●	●
FortiGuard Advanced Malware Protection (AMP) — Antivirus, Mobile Malware, Botnet, CDR, Virus Outbreak Protection and FortiSandbox Cloud Service	●	●	●	●
FortiGuard Web Filtering Service	●	●	●	
FortiGuard Antispam Service	●	●	●	
FortiGuard Security Rating Service	●	●		
FortiGuard Industrial Service	●	●		
FortiCASB IoT Detection Service ²	●	●		
FortiConverter Service	●	●		
IPAM Cloud ²	●			
SD-WAN Cloud Orchestrator Entitlement ²	●			
SD-WAN Cloud Assisted Monitoring	●			
SD-WAN Overlay Controller VPN Service	●			
FortiAnalyzer Cloud	●			
FortiManager Cloud	●			

1. 24/7 plus Advanced Services Ticket Handling 2. Available when running FortiOS 6.4

Thông số kỹ thuật

FORTIGATE 800D

Hardware Specifications

Hardware Accelerated 10 GE SFP+Slots	2
Hardware Accelerated GE SFP Slots	8
Hardware Accelerated GE RJ45 Port	20
Accelerated GE RJ45 Bypass Interfaces	4
GE RJ45 Management/ HA Port	2
USB Port (Client/Server)	1/2
Console Port	1
Onboard Storage	1 x 240 GB SSD
Included Transceivers	2 x SFP (SX 1 GE)

System Performance — Enterprise Traffic Mix

IPS Throughput ²	4.2 Gbps
NGFW Throughput ^{2,4}	4 Gbps
Threat Protection Throughput ^{2,5}	3 Gbps

System Performance and Capacity

IPv4 Firewall Throughput (1518/512/64 byte UDP)	36 / 36 / 22 Gbps
IPv6 Firewall Throughput (1518/512/64 byte UDP)	36 / 36 / 22 Gbps
Firewall Latency (64 byte UDP)	3 µs
Firewall Throughput (Packets Per Second)	33 Mbps
Concurrent Sessions (TCP)	5 Million
New Sessions/Second (TCP)	280,000
Firewall Policies	10,000
IPsec VPN Throughput (512 byte) ¹	20 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	2,000
Client-to-Gateway IPsec VPNTunnels	50,000
SSL-VPN Throughput	2.2 Gbps
Concurrent SSL-VPN Users	5,000
(Recommended Maximum, Tunnel Mode) ³	
SSL Inspection Throughput (IPS, avg. HTTPS) ³	8 Gbps
SSL Inspection CPS (IPS, avg. HTTPS) ³	5,500
SSL Inspection Concurrent Session (IPS, avg. HTTPS)	800,000
Application Control Throughput (HTTP 64K) ²	15 Gbps
CAPWAP Throughput (HTTP 64K)	18 Gbps
Virtual Domains (Default/ Maximum)	10/10
Maximum Number of FortiSwitches Supported	96
Maximum Number of FortiAPs (Total/Tunnel Mode)	1024 / 512
Maximum Number of FortiTokens	5,000
High Availability Configurations	Active-Active, Active/Passive, Clustering

Dimensions and Power

Height x Width x Length (inches)	1.75 x 17.0 x 16.4
Height x Width x Length (mm)	44.45 x 432 x 416
Weight	19.0 lbs (8.6 kg)
Form Factor (supports EIA/non-EIA standards)	Rack Mount, 1 RU
Wall Mountable	No
Power Input	100 - 240 V AC, 50-60 Hz
Power Consumption (Average / Maximum)	128W/ 187W
Current (Maximum)	110V/7A , 220 V/3.5A
Heat Dissipation	636 BTU/h
Redundant Power Supplies (Hot Swappable)	(Hot Swappable) Optional

Operating Environment and Certifications

Operating Temperature	32-104°F (0-40°C)
Storage Temperature	-31-158°F (- 35-70°C)
Humidity	10-90% non-condensing
Noise Level	59 dBA
Operating Altitude	Up to 7400ft (2250 m)
Compliance	FCC Part 15, Class A, RCM, 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.

1. IPsec VPN performance test uses AES256-SHA256.

2. PS (Enterprise Mix), Application Control, NGFW, and Threat Protection are measured with Logging enabled.

3. SSL Inspection performance values use an average of HTTPS sessions of different cipher suites.

4. NGFW performance is measured with Firewall, IPS, and Application Control enabled.

5. Threat Protection performance is measured with Firewall, IPS, Application Control, and Malware Protection enabled.