

Concurrent
Sessions
11 Million

FortiGate® 900D

Next Generation Firewall

Secure SD-WAN

Secure Web Gateway

IPS



Dòng sản phẩm FortiGate/FortiWifi 900D 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 900D 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

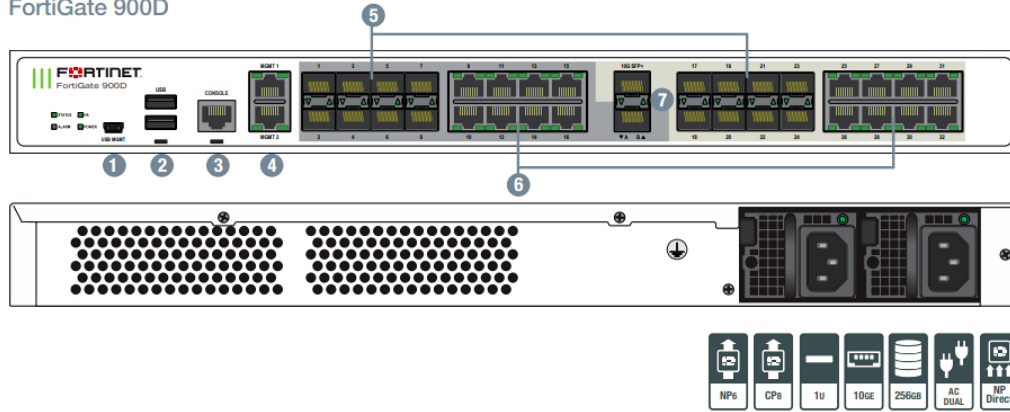
Tính năng nổi bật

- Số cổng: 2x 10 GE SFP+, 16x GE SFP, 16x GE RJ45
- Local storage: 1x 256 GB SSD
- Firewall Throughput (1518/512/64 byte UDP): 52 / 52 / 33 Gbps
- IPsec VPN Throughput (512 byte): 25 Gbps
- IPSThroughput (Enterprise Mix): 4.2 Gbps
- NGFW Throughput (Enterprise Mix): 4 Gbps
- Threat Protection Throughput (Ent. Mix): 3 Gbps
- Firewall Latency: 3 μs
- Concurrent Sessions: 11 Million
- New Sessions/Sec: 280,000
- Firewall Policy: 10,000
- Max G/W to G/W IPSEC Tunnels: 2,000
- Max Client to G/W IPSEC Tunnels: 50,000
- SSL VPN Throughput: 3.6 Gbps
- Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode): 10,000
- SSL Inspection Throughput (IPS, avg. HTTPS): 3.9 Gbps

FORTINET

INTERCOM
Connect to Values

FortiGate 900D



Interfaces

1. USB Management Port

2. USB Ports

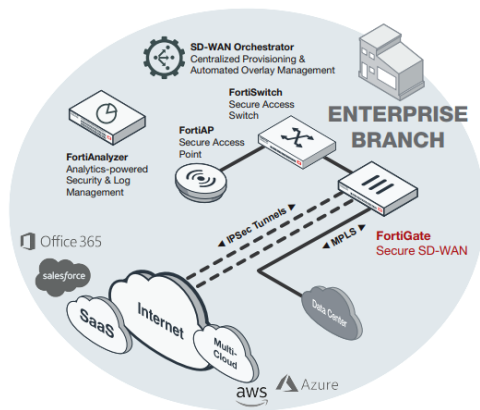
3. Console Port

4. 2x GE RJ45 Management Ports

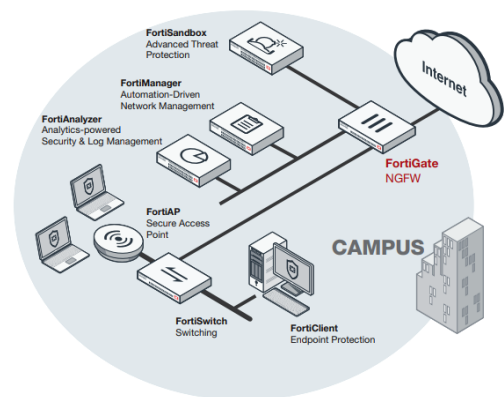
5. 16x GE SFP Slots

6. 16x GE RJ45 Ports

7. 2x 10 GE SFP+ Slots



FortiGate 900D deployment in Enterprise Branch (Secure SD-WAN)



FortiGate 900D 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 900D

Hardware Specifications

Hardware Accelerated 10 GE SFP+Slots	2
Hardware Accelerated GE SFP Slots	16
Hardware Accelerated GE RJ45 Port	16
GE RJ45 Management/ HA Port	2
USB Port (Client/Server)	1/2
Console Port	1
Onboard Storage	1 x 256 GB SSD
Included Transceivers	0

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)	52 / 52 / 33 Gbps
IPv6 Firewall Throughput (1518/512/64 byte UDP)	52/ 52 / 33 Gbps
Firewall Latency (64 byte UDP)	3 μs
Firewall Throughput (Packets Per Second)	49.5 Mbps
Concurrent Sessions (TCP)	11 Million
New Sessions/Second (TCP)	280,000
Firewall Policies	10,000
IPsec VPN Throughput (512 byte) ¹	25 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	2,000
Client-to-Gateway IPsec VPNTunnels	50,000
SSL-VPN Throughput	3.6 Gbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	10,000
SSL Inspection Throughput (IPS, avg. HTTPS) ³	3.9 Gbps
SSL Inspection CPS (IPS, avg. HTTPS) ³	2400
SSL Inspection Concurrent Session (IPS. avg. HTTPS) ³	800,000
Application Control Throughput (HTTP 64K)	10 Gbps
CAPWAP Throughput (HTTP 64K) ²	11 Gbps
Virtual Domains (Default/ Maximum)	10/10
Maximum Number of FortiSwitches Supported	64
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 17.22 x 18.24
Height x Width x Length (mm)	44.45 x 437.5 x 463.2
Weight	20.24 lbs (9.18 kg)
Form Factor (supports EIA/non-EIA standards)	Rack Mount, 1 RU
Power Input	100 - 240 V AC, 50-60 Hz, 300W Redundant
Power Consumption (Average / Maximum)	135W/ 187.2 W
Current (Maximum)	100V/5A , 240 V/3A
Heat Dissipation	638.75 BTU/h
Redundant Power Supplies	Yes (Hot Swappable)

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	49.9 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.