

Concurrent
Sessions
1.5 Million

FortiGate® 100F Series

FortiGate 100F and 101F

Secure SD-WAN

Next Generation Firewall

Secure Web Gateway



Dòng sản phẩm FortiGate 100F 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 100F 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 thể hệ mới

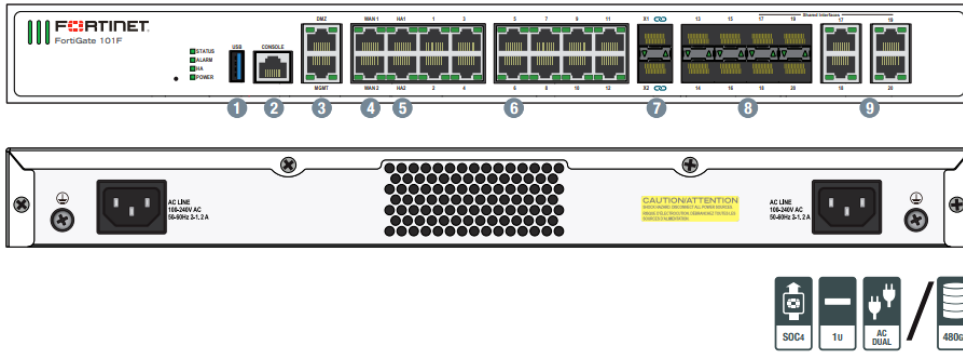
Tính năng nổi bật

- Số cổng: 2x10 GE SFP+, 18x GE RJ45, 4x Shared Port Pairs, 8x GE SFP
- Local storage: 480 GB (101F)
- Firewall Throughput (1518/512/64 byte UDP): 20/18/10 Gbps
- IPsec VPN Throughput (512 byte): 11.5 Gbps
- IPSThroughput (Enterprise Mix): 2.6 Gbps
- NGFW Throughput (Enterprise Mix): 1.6 Gbps
- Threat Protection Throughput (Ent. Mix): 1 Gbps
- Firewall Latency: 4.97 µs
- Concurrent Sessions: 1.5 Million
- New Sessions/Sec: 56,000
- Firewall Policy: 10,000
- Max G/W to G/W IPSEC Tunnels: 2,500
- Max Client to G/W IPSEC Tunnels: 16,000
- SSL VPN Throughput: 1 Gbps
- Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode): 500
- SSL Inspection Throughput (IPS, avg. HTTPS): 1 Gbps

FORTINET

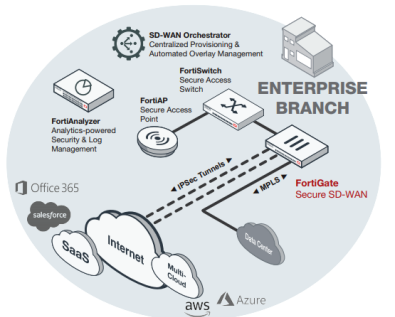
INTERCOM
Connect to Values

FortiGate 100F/101F

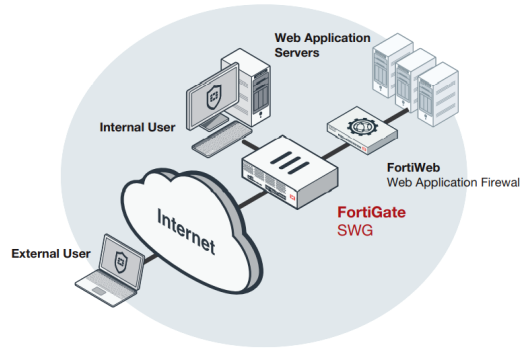


Interfaces

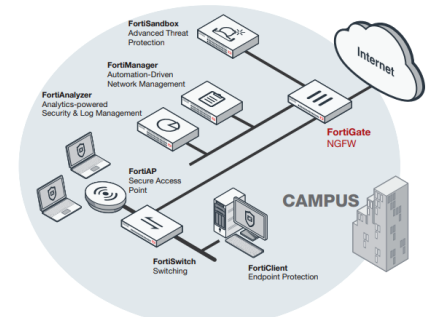
- (1) 1x USB Port
- (2) 1x Console Port
- (3) 2x GE RJ45 MGMT/DMZ Ports
- (4) 2x GE RJ45 WAN Ports
- (5) 2x GE RJ45 HA Ports
- (6) 12x GE RJ45 Ports
- (7) 2x 10 GE SFP+ FortiLink Slots
- (8) 4x GE SFP Slots
- (9) 4x GE RJ45/SFP Shared Media Pairs



FortiGate 100F deployment in Enterprise Branch (Secure SD-WAN)



FortiGate 100F SWG deployment



FortiGate 100F 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

Hardware Specifications

GE RJ45 Ports		12	
GE RJ45 Management /HA/DMZ Ports		1/2/1	
GE SFP Slots		4	
10 GE SFP+ Fortilink Slot (default)		2	
GE RJ45 WAN Ports		2	
GE RJ45 or SFP Shared Ports*		4	
USB Port		1	
Console Port		1	
Internal Storage	-		1 x 480 GB SSD
Included Transceivers		0	

System Performance — Enterprise Traffic Mix

IPS Throughput ²		2.6 Gbps	
NGFW Throughput ^{2, 4}		1.6 Gbps	
Threat Protection Throughput ^{2, 5}		1 Gbps	

System Performance

Firewall Throughput (1518/512/64 byte UDP packets)		20/ 18 / 10 Gbps	
Firewall Latency (64 byte UDP packets)		4.97 µs	
Firewall Throughput (Packets Per Second)		15 Mbps	
Concurrent Sessions (TCP)		1.5 Million	
New Sessions/Second (TCP)		56,000	
Firewall Policies		10,000	
IPsec VPN Throughput (512 byte) ¹		11.5 Gbps	
Gateway-to-Gateway IPsec VPN Tunnels		2500	
Client-to-Gateway IPsec VPNTunnels		16000	
SSL-VPN Throughput		1 Gbps	
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)		500	
SSL Inspection Throughput (IPS, avg. HTTPS) ³		1 Gbps	
SSL Inspection CPS (IPS, avg. HTTPS) ³		1800	
SSL Inspection Concurrent Session (IPS, avg. HTTPS) ³		135,000	
Application Control Throughput (HTTP 64K) ²		2.2 Gbps	
CAPWAP Throughput (HTTP 64K)		15 Gbps	
Virtual Domains (Default/ Maximum)		10/10	
Maximum Number of FortiSwitches Supported		24	
Maximum Number of FortiAPs (Total/Tunnel Mode)		128 / 64	
Maximum Number of FortiTokens		5000	
High Availability Configurations		Active/Active, Active/Passive, Clustering	

Dimensions

Height x Width x Length (inches)		1.73 x 17 x 10	
Height x Width x Length (mm)		44 x 432 x 254	
Form Factor (supports EIA/non-EIA standards)		Rack Mount, 1RU	
Weight	7.25 lbs (3.29 kg)		7.56 lbs (3.43 kg)

Environment

Power Required		100 - 240 V AC 50-60	
Maximum Current		100V/1A, 240V/0.5A	
Power Consumption (Average / Maximum)	35.1W / 38.7W		35.3W / 39.1W
Heat Dissipation	119.77 BTU/h		121.13 BTU/h
Redundant Power Supplies		Yes	
Operating Temperature		32-104°F (0-40°C)	
Storage Temperature		-31-158°F (-35-70°C)	
Operating Altitude		Up to 7,400 ft (2,250 m)	
Humidity		10-90% non-condensing	
Noise Level		40.4 dBA	
Compliance		FCC Part 15B, Class A, CE, RCM, VCCI, UL/cUL, CB, BSMI	
Certifications		ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; 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.