

Concurrent  
Sessions  
4 Million

# FortiGate<sup>®</sup> 400E Series

FortiGate 400E, 401E and 401E-DC

Secure SD-WAN

Next Generation Firewall

Secure Web Gateway



Dòng sản phẩm FortiGate 400E 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, được triển khai ở các mạng Campus hoặc chi nhánh doanh nghiệp.

FortiGate 400E bảo vệ hệ thống mạng 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

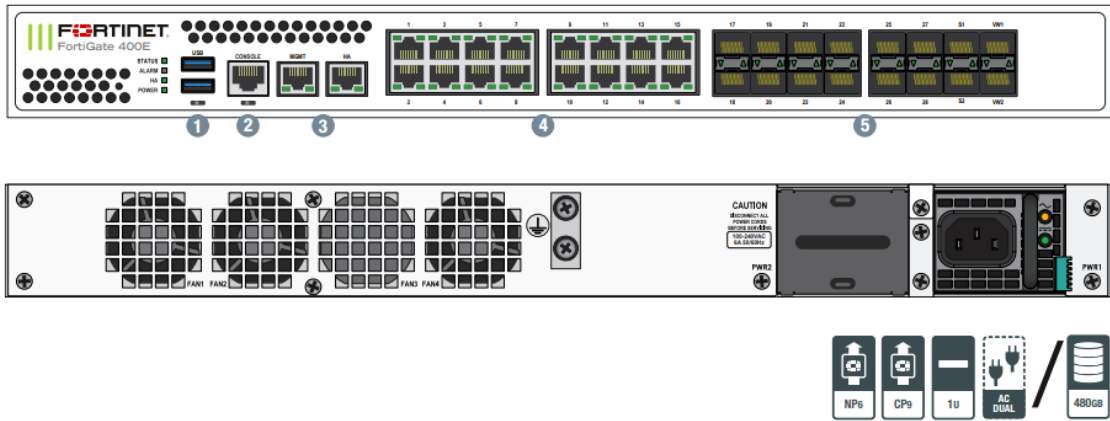
## Tính năng nổi bật

- Số cổng: 18x GE RJ45, 16x GE SFP
- Local storage: 480 GB (401E)
- Firewall Throughput (1518/512/64 byte UDP): 20 / 20 / 9 Gbps
- IPsec VPN Throughput (512 byte): 20 Gbps
- IPSThroughput (Enterprise Mix): 7.8 Gbps
- NGFW Throughput (Enterprise Mix): 6 Gbps
- Threat Protection Throughput (Ent. Mix): 5 Gbps
- Firewall Latency: 2.14  $\mu$ s
- Concurrent Sessions: 4 Million
- New Sessions/Sec: 450,000
- Firewall Policy: 10000
- Max G/W to G/W IPSEC Tunnels: 2000
- Max Client to G/W IPSEC Tunnels: 50,000
- SSL VPN Throughput: 4.5 Gbps
- Concurrent SSL VPN Users (Recommended Maximum, Tunnel Mode): 5000
- SSL Inspection Throughput (IPS, avg. HTTPS): 4.8 Gbps

FORTINET

INTER  
COM  
Connect to Values

# FortiGate 400E/401E



## Interfaces

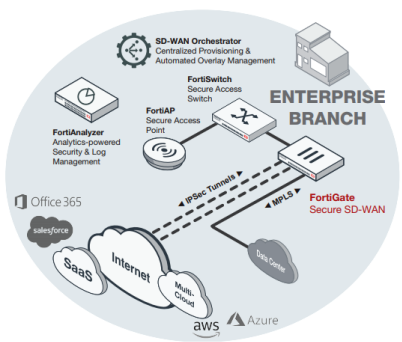
(1) 1x USB Port

(2) 1x Console Port

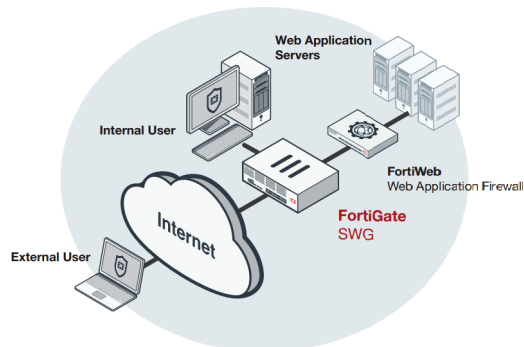
(3) 2x GE RJ45 MGMT/HA Ports

(4) 16x GE RJ45 Ports

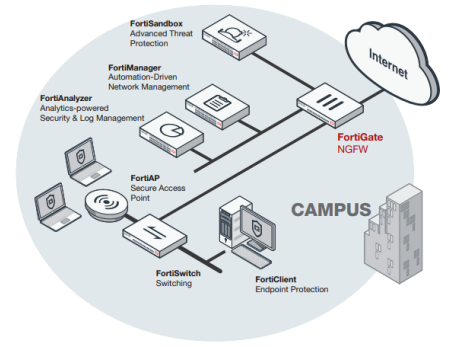
(5) 16x GE SFP Slots



FortiGate 400E deployment in Enterprise Branch (Secure SD-WAN)



FortiGate 400E SWG deployment



FortiGate 400E deployment in Campus (NGFW)

## Bundles

**360 Protection**      **Enterprise Protection**      **UTM**      **Thread Protection**

FortiCare

ASE<sup>1</sup>      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<sup>2</sup>

●      ●      ●      ●

FortiConverter Service

●      ●      ●      ●

IPAM Cloud<sup>2</sup>

●      ●      ●      ●

SD-WAN Cloud Orchestrator Entitlement<sup>2</sup>

●      ●      ●      ●

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 400E	FORTIGATE 401E/-DC
<b>Hardware Specifications</b>		
GE RJ45 Interfaces		16
GE SFP Slots		16
GE RJ45 Management Ports		2
USB Port		2
RJ45 Console Port		1
Local Storage	-	2 x 240 GB SSD
Included Transceivers	2 x SFP (SX 1 GE)	
<b>System Performance — Enterprise Traffic Mix</b>		
IPS Throughput <sup>2</sup>		7.8 Gbps
NGFW Throughput <sup>2,4</sup>		6 Gbps
Threat Protection Throughput <sup>2,5</sup>		5 Gbps
<b>System Performance</b>		
IPv4 Firewall Throughput (1518/512/64 byte UDP packets)		32 / 32 / 24 Gbps
IPv6 Firewall Throughput (1518/512/64 byte UDP packets)		32 / 32 / 24 Gbps
Firewall Latency (64 byte UDP packets)		2.14 µs
Firewall Throughput (Packets Per Second)		36 Mbps
Concurrent Sessions (TCP)		4 Million
New Sessions/Second (TCP)		450,000
Firewall Policies		10,000
IPsec VPN Throughput (512 byte) <sup>1</sup>		20 Gbps
Gateway-to-Gateway IPsec VPN Tunnels		2000
Client-to-Gateway IPsec VPNTunnels		50,000
SSL-VPN Throughput		4.5 Gbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)		5,000
SSL Inspection Throughput (IPS, avg. HTTPS) <sup>3</sup>		4.8 Gbps
SSL Inspection CPS (IPS, avg. HTTPS) <sup>3</sup>		4,000
SSL Inspection Concurrent Session (IPS, avg. HTTPS) <sup>3</sup>		300,000
Application Control Throughput (HTTP 64K) <sup>2</sup>		12 Gbps
CAPWAP Throughput (HTTP 64K)		14.8 Gbps
Virtual Domains (Default/ Maximum)		10/10
Maximum Number of FortiSwitches Supported		72
Maximum Number of FortiAPs (Total/Tunnel Mode)		512 / 256
Maximum Number of FortiTokens		5,000
High Availability Configurations	Active-Active, Active/Passive, Clustering	
<b>Dimensions and Power</b>		
Height x Width x Length (inches)		1.75 x 17.0 x 15.0
Height x Width x Length (mm)		44.45 x 432 x 380
Weight	16.4 lbs (7.4 kg)	16.9 lbs (7.9 kg)
Form Factor (supports EIA/non-EIA standards)		Rack Mount, 1 RU
AC Power Consumption (Average / Maximum)	109 W / 214W	115W / 221W
AC Power Input		100 - 240 V AC 50/60 Hz
AC Current (Maximum)		6A
DC Power Input		- 48V to - 60V DC
DC Current Maximum		11.5A
DC Current (Nominal)		4.6A
DC Power Consumption (Average / Maximum)		115W / 221W
Heat Dissipation	730 BTU/h	754 BTU/h
Redundant Power Supplies (Hot Swappable)		Optional
<b>Operating Environment and Certifications</b>		
Operating Temperature		32-104°F (0-40°C)
Storage Temperature		-31-158°F (- 35-70°C)
Humidity		10-90% non-condensing
Noise Level		48 dBA
Operating Altitude		Up to 7,400 ft (2,250 m)
Compliance	FCC Part 15, Class A, RCM, VCCI, CE, UL/cUL, CB	
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; IUSGv6/Pv6	

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.