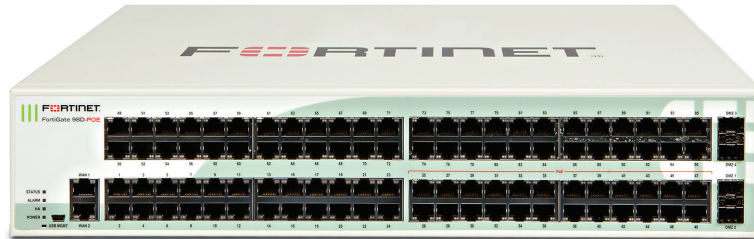


# FortiGate® 94D-POE and 98D-POE



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

Distributed Enterprise Firewall



**3.5 Gbps**  
*Firewall*

**2 Million**  
*Concurrent Sessions*



**41 Mbps**  
*IPS*



**25 Mbps**  
*NGFW*

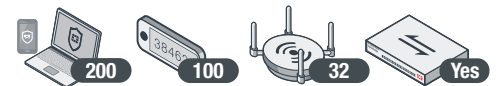


**22.5 Mbps**  
*Threat Protection*



## Hardware Acceleration

SPU SoC2



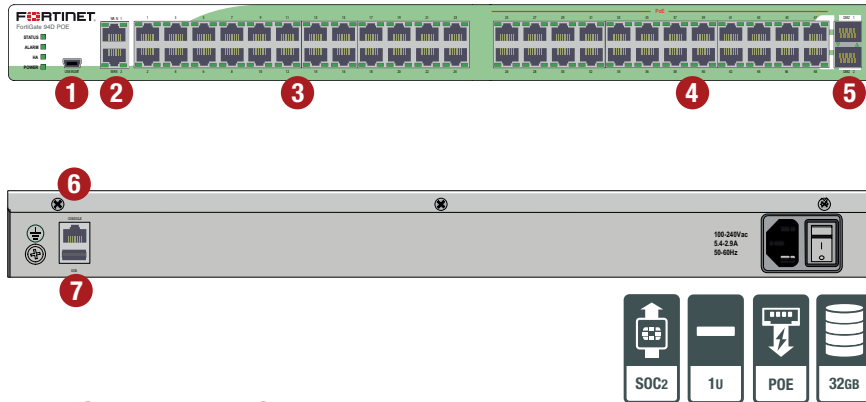
Multiple GE RJ45, FE PoE and GE SFP slots

## Third-Party Certifications



## HARDWARE

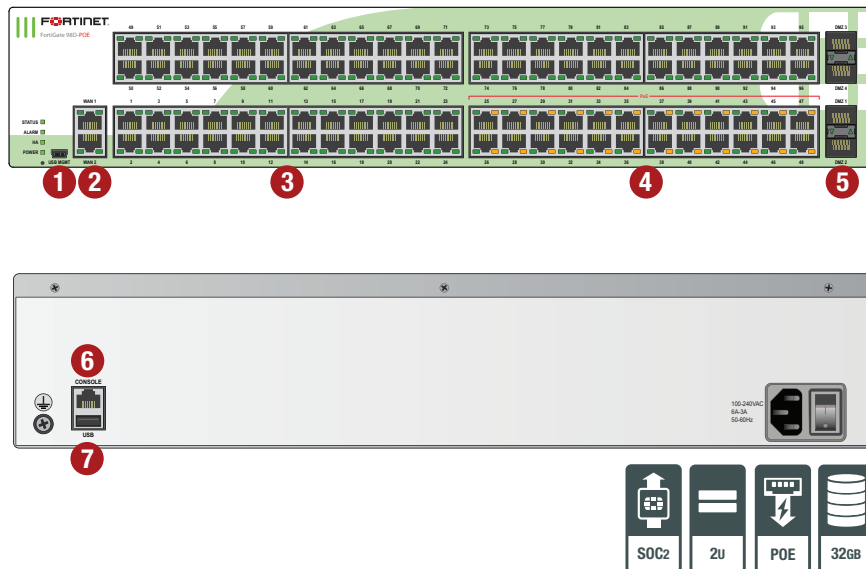
### FortiGate 94D-POE



#### Interfaces

1. USB Management Port
2. 2x GE RJ45 WAN Ports
3. 24x GE RJ45 Switch Ports
4. 24x FE RJ45 PoE Ports
5. 2x GE SFP DMZ Slots
6. Console Port
7. USB Port

### FortiGate 98D-POE



#### Interfaces

1. USB Management Port
2. 2x GE RJ45 WAN Ports
3. 72x GE RJ45 Switch Ports
4. 24x FE RJ45 PoE Ports
5. 4x GE SFP DMZ Slots
6. Console Port
7. USB Port

#### Powered by SPU SoC2

- Combines a RISC-based CPU with Fortinet's proprietary SPU content and network processors for unmatched performance
- Simplifies appliance design and enables breakthrough performance for smaller networks
- Supports firewall acceleration across all packet sizes for maximum throughput
- Delivers accelerated UTM content processing for superior performance and protection
- Accelerates VPN performance for high speed, secure remote access



#### Install in Minutes with FortiExplorer

The FortiExplorer™ wizard enables you to easily and quickly set up and configure FortiGate and FortiWiFi platforms with easy-to-follow instructions. The application runs on Windows, Mac OS X desktops and laptops as well as popular mobile devices. Simply connect to the appropriate USB port on the appliance, and be fully protected in minutes.

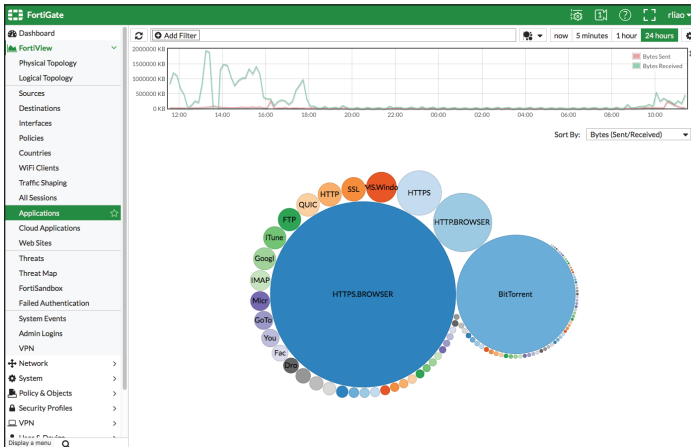
#### 3G/4G WAN Connectivity

The FortiGate/FortiWiFi 90D Series includes a USB port that allows you to plug in a compatible third-party 3G/4G USB modem, providing additional WAN connectivity or a redundant link for maximum reliability.

## SOFTWARE

### FortiOS

Control all the security and networking capabilities across the entire FortiGate platform with one intuitive operating system. Reduce operating expenses and save time with a truly consolidated next generation security platform.



- A truly consolidated platform with one OS for all security and networking services for all FortiGate platforms.
- Industry-leading protection: NSS Labs Recommended, VB100, AV Comparatives and ICSA validated security and performance.
- Control thousands of applications, block the latest exploits, and filter web traffic based on millions of real-time URL ratings.
- Detect, contain and block advanced attacks automatically in minutes with integrated advanced threat protection framework.
- Solve your networking needs with extensive routing, switching, WiFi, LAN and WAN capabilities.
- Activate all the SPU-booster capabilities you need on the fastest firewall platform available.



For more information, please refer to the FortiOS data sheet available at [www.fortinet.com](http://www.fortinet.com)

## SERVICES

### FortiGuard™ Security Services

FortiGuard Labs offers real-time intelligence on the threat landscape, delivering comprehensive security updates across the full range of Fortinet's solutions. Comprised of security threat researchers, engineers, and forensic specialists, the team collaborates with the world's leading threat monitoring organizations, other network and security vendors, as well as law enforcement agencies:

- **Real-time Updates** — 24x7x365 Global Operations research security intelligence, distributed via Fortinet Distributed Network to all Fortinet platforms.
- **Security Research** — FortiGuard Labs have discovered over 170 unique zero-day vulnerabilities to date, totaling millions of automated signature updates monthly.
- **Validated Security Intelligence** — Based on FortiGuard intelligence, Fortinet's network security platform is tested and validated by the world's leading third-party testing labs and customers globally.

### FortiCare™ Support Services

Our FortiCare customer support team provides global technical support for all Fortinet products. With support staff in the Americas, Europe, Middle East and Asia, FortiCare offers services to meet the needs of enterprises of all sizes:

- **Enhanced Support** — For customers who need support during local business hours only.
- **Comprehensive Support** — For customers who need around-the-clock mission critical support, including advanced exchange hardware replacement.
- **Advanced Services** — For global or regional customers who need an assigned Technical Account Manager, enhanced service level agreements, extended software support, priority escalation, on-site visits and more.
- **Professional Services** — For customers with more complex security implementations that require architecture and design services, implementation and deployment services, operational services and more.

## SPECIFICATIONS

	FG-94D-POE	FG-98D-POE
<b>Hardware Specifications</b>		
GE RJ45 WAN Ports	2	2
GE RJ45 Switch Ports	24	72
FE RJ45 PoE Ports	24	24
GE SFP DMZ Slots	2	4
Included Transceivers	0	0
USB Ports (Client / Server)	1 / 1	1 / 1
Console (RJ45)	1	1
Internal Storage	1x 32 GB SSD	1x 32 GB SSD
<b>System Performance</b>		
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	3.5 / 3.5 / 3.5 Gbps	
Firewall Latency (64 byte UDP packets)	4 µs	
Firewall Throughput (Packets Per Second)	5.3 Mpps	
Concurrent Sessions (TCP)	2 Million	
New Sessions/Second (TCP)	4,000	
Firewall Policies	5,000	
IPsec VPN Throughput (512 byte packets)	1 Gbps	
Gateway-to-Gateway IPsec VPN Tunnels	200	
Client-to-Gateway IPsec VPN Tunnels	1,000	
SSL-VPN Throughput	35 Mbps	
Concurrent SSL-VPN Users (Recommended Maximum)	200	
IPS Throughput (HTTP / Enterprise Mix) <sup>1</sup>	275 / 41 Mbps	
SSL Inspection Throughput <sup>2</sup>	35 Mbps	
Application Control Throughput <sup>3</sup>	34 Mbps	
NGFW Throughput <sup>4</sup>	25 Mbps	
Threat Protection Throughput <sup>5</sup>	22.5 Mbps	
CAPWAP Throughput <sup>6</sup>	260 Mbps	
Virtual Domains (Default / Maximum)	10 / 10	
Maximum Number of FortiAPs (Total / Tunnel Mode)	32 / 16	
Maximum Number of FortiTokens	100	
Maximum Number of Registered FortiClients	200	
High Availability Configurations	Active / Active, Active / Passive, Clustering	

	FG-94D-POE	FG-98D-POE
Dimensions		
Height x Width x Length (inches)	1.72 x 17 x 10.51	3.48 x 11.56 x 17.20
Height x Width x Length (mm)	44 x 432 x 277	88.5 x 293.6 x 437
Form Factor	1 RU	2 RU
Weight	10.6 lbs (4.8 kg)	14.8 lbs (6.7 kg)
Environment		
Power Required	110–240V AC, 50–60 Hz	110–240V AC, 50–60 Hz
Maximum Current	110 V / 5.4 A, 220 V / 2.9 A	110 V / 6 A, 220 V / 3 A
Total Available PoE Power Budget*	200 W	200 W
Power Consumption (Average / Maximum)	156 / 256 W	163 / 278W
Heat Dissipation	874 BTU/h	949 BTU/h
Operating Temperature	32–104°F (0–40°C)	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing	20–90% non-condensing
Operating Altitude	Up to 7,400 ft (2,250 m)	Up to 7,400 ft (2,250 m)
Compliance		
	FCC Part 15 Class B/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.

\* Maximum loading on each PoE port is 15.4 W (802.3af)

## ORDER INFORMATION

Product	SKU	Description
FortiGate 94D-POE	FG-94D-POE	26x GE RJ45 ports (including 24x switch ports, 2x WAN ports), 24x PoE FE ports, 2x DMZ GE SFP slots. Maximum managed FortiAPs (Total / Tunnel) 32 / 16.
FortiGate 98D-POE	FG-98D-POE	74x GE RJ45 ports (including 72x switch ports, 2x WAN ports), 24x PoE FE ports, 4x DMZ GE SFP slots. Maximum managed FortiAPs (Total / Tunnel) 32 / 16.



### FortiGuard Bundle

FortiGuard Labs delivers a number of security intelligence services to augment the FortiGate firewall platform. You can easily optimize the protection capabilities of your FortiGate with one of these FortiGuard Bundles.

Bundles	Threat Protection	UTM	Enterprise Protection
FortiCASB SaaS-only Service <sup>^</sup>			•
FortiGuard Industrial Service <sup>^</sup>			•
FortiGuard Security Rating Service* <sup>^</sup>			•
FortiGuard Antispam		•	•
FortiGuard Web Filtering		•	•
FortiGuard Advanced Malware Protection (AMP) — Antivirus, Mobile Malware, Botnet, CDR*, Virus Outbreak Protection* and FortiSandbox Cloud Service*	•	•	•
FortiGuard IPS Service	•	•	•
FortiCare + FortiGuard App Control Service	•	•	•

\* Available when running FortiOS 6.0.1 and above <sup>^</sup> With new Q3-2018 SKUs



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