



FortiGate® 94D/98D-POE

Enterprise-Grade Protection for Distributed Network Locations



# FortiGate

FortiGate 94D-POE and 98D-POE

The FortiGate 94D-POE and 98D-POE are high port density, all-in-one security appliances that deliver Fortinet’s Connected UTM. Ideal for remote, customer premise equipment (CPE) and retail networks, these FortiGates offer the network security, connectivity, and performance you need at a single low per-device price.

## Advanced Protection and Wireless Connectivity

You get advanced threat protection, including firewall, application control, advanced threat protection, IPS, VPN, and web filtering, all from one device that’s easy to deploy and manage. With its comprehensive management console, remote provisioning and wide range of connectivity options you have an easy-to-deploy, easy-to-manage solution that’s great for a centrally managed infrastructure.

You’ll appreciate features like WAN Optimization, Data Archiving and VDOMs for your distributed networks. VDOMs on the FortiGate let you segment networks to enable guest and employee access, or protect things like cardholder data to meet compliance standards like PCI and HIPAA.

Built on the foundation of the FortiASIC System on a Chip 2 (SoC2) and FortiOS 5, the FortiGate provides an integrated set of essential security technologies to protect all of your applications and data. You get the industry’s best firewall plus the latest in Advanced Threat Protection, Intrusion Protection, Web-filtering and many new features like Sandboxing, Feature Select Options for simplifying configurations and deployments, and Contextual Visibility for enhanced reporting and management.

## Highlights

| Firewall Performance | IPS Performance | Interfaces                               |
|----------------------|-----------------|--|
| 3.5 Gbps             | 275 Mbps        | Multiple GE RJ45, FE RJ45 PoE and GE SFP |

## Features & Benefits

- 3.5 Gbps throughput performance delivers fast network response
- Integrated switch and PoE simplify your network infrastructure
- Multiple PoE interfaces to support IP phones, access points or cameras
- Runs on FortiOS 5 — the most powerful security operating system in the world delivers more security to fight advanced threats, more control to secure mobile devices, and more intelligence to build secure policies



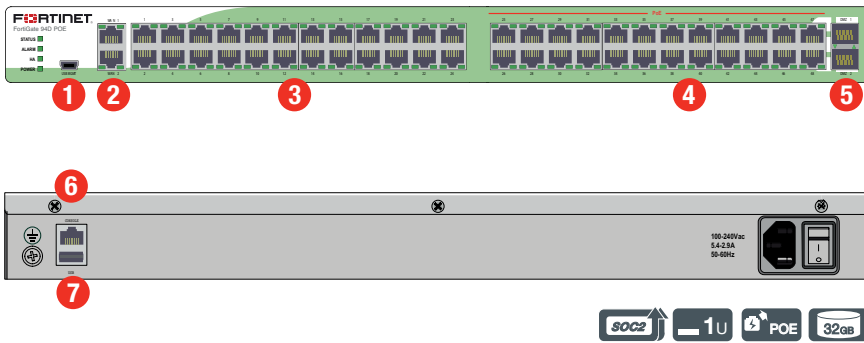
FortiCare Worldwide 24x7 Support  
support.fortinet.com



FortiGuard Security Services  
www.fortiguards.com

# HARDWARE

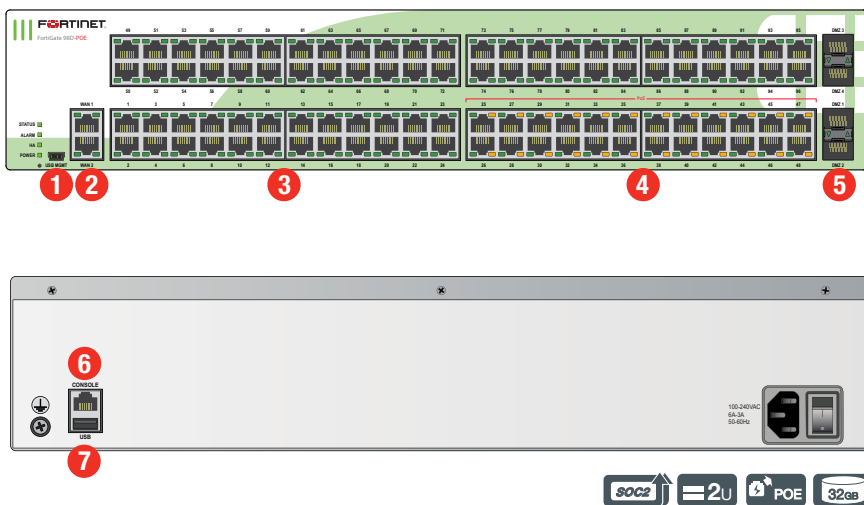
## FortiGate 94D-POE



### 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 FortiASIC SoC2

- Combines a RISC-based CPU with Fortinet's proprietary FortiASIC™ content and network processors for unmatched performance
- 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

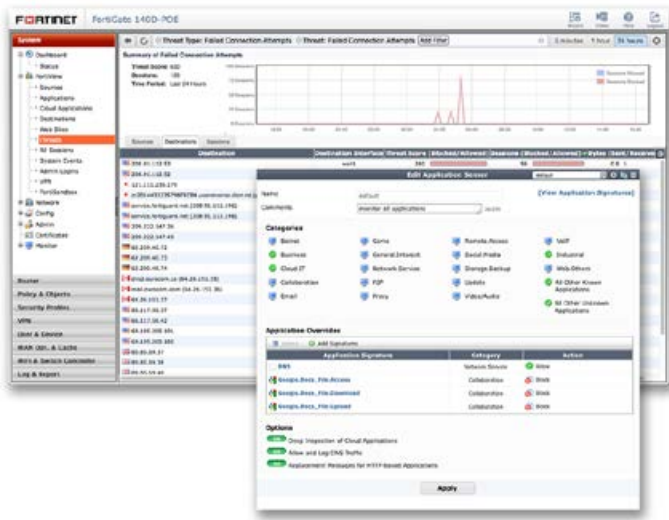
### Install in Minutes with FortiExplorer

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 94D/98D-POE includes USB ports that allow 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 Management UI — FortiView and Application Control Panel

### FortiOS

FortiOS helps you protect your organization against advanced threats, configure and deploy your network security faster and see deep into what's happening inside your network. It enables organization to set up policies specific to types of devices, users and applications with industry-leading security capabilities. FortiOS leverages custom FortiASICs and the Optimum Path Processing architecture of FortiGate to deliver 5 times faster throughput performance. In essence, FortiOS delivers:

- **Comprehensive Security** — Control thousands of applications and stop more threats with NSS Labs Recommended IPS, sandboxing, VB100 certified antimalware and more.
- **Superior Control and Visibility** — Stay in control with rich visibility over network traffic, granular policy control, and intuitive, scalable security and network management.
- **Robust Networking Capabilities** — Optimize your network with extensive switching and routing, high availability, WAN optimization, embedded WiFi controller, and a range of virtual options.



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.



For more information, please refer to <http://forti.net/guard>

### 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.
- **Premium 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.



For more information, please refer to <http://forti.net/care>

## 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  | 32 GB   | 32 GB      |
| <b>System Performance</b>                                 |   |            |
| Firewall Throughput<br>(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<br>(Recommended Maximum)         | 200   |            |
| IPS Throughput  | 275 Mbps                                      |            |
| Antivirus Throughput                                      | 35 Mbps                                       |            |
| CAPWAP Clear-text Throughput (HTTP)                       | 210 Mbps                                      |            |
| Virtual Domains (Default / Maximum)                       | 10 / 10                                       |            |
| Maximum Number of FortiAPs<br>(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                  |
|---------------------------------------|--|-----------------------------|
| <b>Dimensions</b>                     |  |                             |
| 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)           |
| <b>Environment</b>                    |  |                             |
| Power Required                        | 110–240V AC,<br>50–60 Hz                               | 110–240V AC,<br>50–60 Hz    |
| Maximum Current                       | 110 V / 5.4 A,<br>220 V / 2.9 A                        | 110 V / 6 A,<br>220 V / 3 A |
| Total Available PoE Power Budget*     | 200 W  | 200 W                       |
| Power Consumption (Average / Maximum) | 156 / 256 W  | 163 / 278 W                 |
| Heat Dissipation                      | 874 BTU/h  | 949 BTU/h                   |
| Operating Temperature                 | 32–104°F<br>(0–40°C)                                   | 32–104°F<br>(0–40°C)        |
| Storage Temperature                   | -31–158°F<br>(-35–70°C)                                | -31–158°F<br>(-35–70°C)     |
| Humidity                              | 20–90%<br>non-condensing                               | 20–90%<br>non-condensing    |
| Operating Altitude                    | Up to 7,400 ft<br>(2,250 m)                            | Up to 7,400 ft<br>(2,250 m) |
| <b>Compliance</b>                     |  |                             |
|                                       | FCC Part 15 Class B/A, C-Tick, VCCI, CE,<br>UL/cUL, CB |                             |
| <b>Certifications</b>                 |  |                             |
|                                       | ICSA Labs: Firewall, IPsec, IPS, Antivirus,<br>SSL-VPN |                             |

Note: All performance values are "up to" and vary depending on system configuration. Antivirus performance is measured using 44 Kbyte HTTP files. IPS performance is measured using 1 Mbyte HTTP files. IPsec VPN performance is based on 512 byte UDP packets using AES-256+SHA1. Antivirus Throughput is measured in proxy mode. For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet.

\* 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. |



GLOBAL HEADQUARTERS  
Fortinet Inc.  
899 Kifer Road  
Sunnyvale, CA 94086  
United States  
Tel: +1.408.235.7700  
www.fortinet.com/sales

EMEA SALES OFFICE  
120 rue Albert Caquot  
06560, Sophia Antipolis,  
France  
Tel: +33.4.8987.0510

APAC SALES OFFICE  
300 Beach Road 20-01  
The Concourse  
Singapore 199555  
Tel: +65.6513.3730

LATIN AMERICA SALES OFFICE  
Prol. Paseo de la Reforma 115 Int. 702  
Col. Lomas de Santa Fe,  
C.P. 01219  
Del. Alvaro Obregón  
México D.F.  
Tel: 011-52-(55) 5524-8480