

# FortiGate®-100D Series

## Integrated Security for Small and Medium Enterprises

In order to comply with legislation and secure the valuable data traversing networks, small and medium enterprises and remote branch offices need a security solution that integrates multiple attack recognition technologies into a single device. With limited budgets and modest remote resources, these smaller networks desire a cost effective solution that is simple to install, connect and maintain. Just as importantly, networks are ever-expanding and need a solution that leaves them with room to grow over time.

The FortiGate-100D series is an ideal security solution for small and medium enterprises or remote branch offices of larger networks. It combines firewall, IPSec and SSL VPN, application control, intrusion prevention, anti-malware, antispam, P2P security, and web filtering into a single device.

### Simple, Powerful, Secure

The FortiGate-100D series installs in minutes, automatically downloading regular updates to protect against the latest viruses, network vulnerabilities, worms, spam and phishing attacks, and malicious websites with no administrator intervention. Leveraging patented FortiASIC acceleration, the FortiGate-100D series offers market-leading performance, with high port density that facilitate network growth and expansion. Onboard storage provides local archiving of data for policy compliance and/or WAN Optimization. The WAN Optimization functionality increases network performance by reducing the amount of communication and data transmitted between applications and servers across a WAN, and/or web caching.

### Key Features & Benefits

Consolidated Security Architecture	Better protection and lower cost of ownership than multiple point security products.
Single Pane of Glass Management	Reduces complexity and decreases costs as all security functions can be managed through one console.
High Port Density	Up to 42 x GbE ports facilitate flexible deployment of network segments and promotes network expansion and high availability configurations.
Power Over Ethernet	Seamless integration of peripheral devices in a secure environment.

### Meeting the Needs of Small and Medium Enterprises and Branch Offices

- High port density delivers maximum flexibility and scalability
- Application control coupled with identity-based policy enforcement provides complete content protection
- Strong authentication options for policy compliance

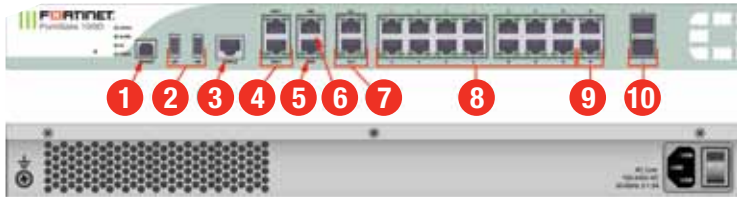


**FortiCare**  
Worldwide 24x7 Support  
support.fortinet.com



**FortiGuard**  
Threat Research & Response  
www.fortiguards.com

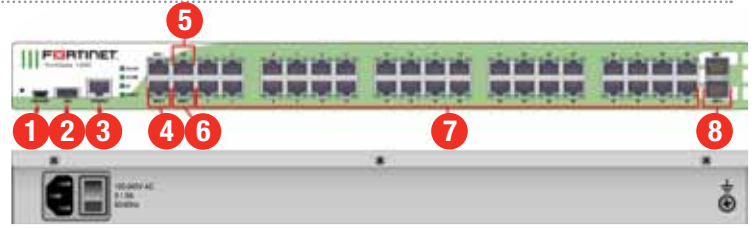
# HARDWARE



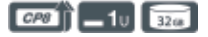
## FortiGate-100D



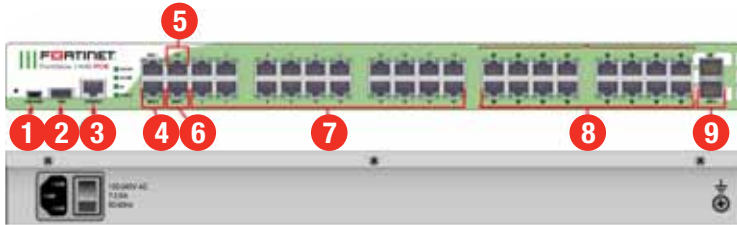
- 1 USB Management Port
- 2 2 x USB Ports
- 3 Console Port
- 4 2 x GE RJ45 WAN Ports
- 5 1 x GE RJ45 Management Port
- 6 1 x GE RJ45 DMZ Port
- 7 2 x GE RJ45 HA Ports
- 8 14 x GE RJ45 Switch Ports
- 9 2 x GE RJ45 Shared Ports
- 10 2 x GE SFP Shared Ports



## FortiGate-140D



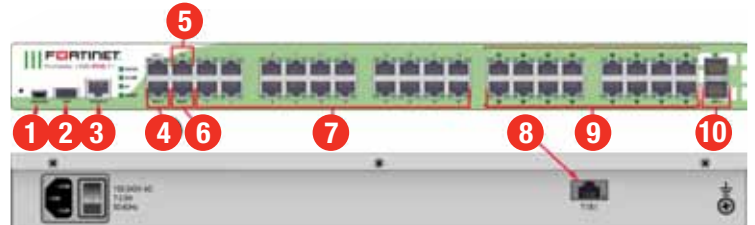
- 1 USB Management Port
- 2 USB Port
- 3 Console Port
- 4 2 x GE RJ45 WAN Ports
- 5 1 x GE RJ45 HA Port
- 6 1 x GE RJ45 Management Port
- 7 36 x GE RJ45 Switch Ports
- 8 2 x GE SFP DMZ Ports



## FortiGate-140D-POE



- 1 USB Management Port
- 2 USB Port
- 3 Console Port
- 4 2 x GE RJ45 WAN Ports
- 5 1 x GE RJ45 HA Port
- 6 1 x GE RJ45 Management Port
- 7 20 x GE RJ45 Switch Ports
- 8 16 x GE RJ45 PoE Ports
- 9 2 x GE SFP DMZ Ports



## FortiGate-140D-POE-T1



- 1 USB Management Port
- 2 USB Port
- 3 Console Port
- 4 2 x GE RJ45 WAN Ports
- 5 1 x GE RJ45 HA Port
- 6 1 x GE RJ45 Management Port
- 7 20 x GE RJ45 Switch Ports
- 8 1 x T1 Port
- 9 16 x GE RJ45 PoE Ports
- 10 2 x GE SFP DMZ Ports



Powered by  
FortiASIC CP8

- Providing high-speed cryptography for encryption and decryption
- Accelerates signature-based content inspection services such as AV and IPS

### Content Processor

The FortiASIC CP8 content processor works outside of the direct flow of traffic, off-loading critical CPU resources.

### Install in Minutes with FortiExplorer

The FortiExplorer™ wizard enables you to easily and quickly set up and configure FortiGate 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.

### Power up with PoE Interfaces

The FortiGate-140D-POE and FortiGate-140D-POE-T1 include PoE interfaces that allow you to plug in compatible wireless access points and IP phones out of the box, providing ease of deployment and lower TCO.

# HIGHLIGHTS

## FortiOS — The World's Most Advanced Security Operating System

- **Feature Select**

Instantly fine-tunes the FortiGate based on desired deployment needs based on desired deployment needs using feature presets. Simplifies user administration and configurations while providing flexibility for different deployment modes.

- **Contextual Visibility**

Presents critical deep insights into historic or real-time network activities with data on threat details, IPs, users, devices, applications and more. Allows administrators to quickly understand threats and stop them.

- **Advanced Security**

Multiple advanced technologies can be coordinated to look for and stop today's blended, targeted or unknown attacks. Efficient packet handling improves performance while lowering latencies and reducing network complexities.

*For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet*

### Industry Validation

The FortiGate family of physical and virtual appliances has earned more certifications than any other vendor by consistently meeting rigorous third-party standards. Our industry-leading technology provides you with air-tight security which you can safely count on.

### World-Class Technical Support and Documentation

Fortinet FortiCare support offerings provide comprehensive global support for all Fortinet products and services. You can rest assured your Fortinet security products are performing optimally and protecting your users, applications, and data around the clock.

### More Protection and Better ROI

The FortiGate constantly evolves itself in its mission to provide more value for users. Extended features such as WiFi and L2 switch controller, integrated token server, endpoint control and WAN optimization add more security to organizations without incurring additional cost.

### Complete and Real-time Security

Fortinet FortiGuard Subscription Services provide automated, real-time, up-to-date protection against the latest security threats. Our threat research labs are located worldwide, providing 24x7 updates when you most need it.



FortiOS Dashboard — Single Pane of Glass Management

## ORDER INFORMATION

Product	SKU	Description
FortiGate-100D	FG-100D	20 x GE RJ45 ports (including 1 x DMZ port, 1 x Mgmt port, 2 x HA port, 16 x internal switch ports), 2 x shared media pairs (including 2 x GE RJ45, 2 x GE SFP slots), 32GB onboard storage . Max managed FortiAPs (Total / Tunnel) 64 / 32
FortiGate-140D	FG-140D	40 x GE RJ45 (including 36 x switch ports, 2 x MGMT/HA ports, 2 x WAN ports), 2 x GE SFP DMZ slots, 32GB onboard storage. Max managed FortiAPs (Total / Tunnel) 64 / 32
FortiGate-140D-POE	FG-140D-POE	40 x GE RJ45 (including 16 x PoE ports, 20 x switch ports, 2 x MGMT/HA ports, 2 x WAN ports), 2 x GE SFP DMZ slots, 32GB onboard storage. Max managed FortiAPs (Total / Tunnel) 64 / 32
FortiGate-140D-POE-T1	FG-140D-POE-T1	40 x GE RJ45 (including 16 x PoE ports, 20 x switch ports, 2 x MGMT/HA ports, 2 x WAN ports), 2 x GE SFP DMZ slots, 1 x T1 port, 32GB onboard storage (US Only). Max managed FortiAPs (Total / Tunnel) 64 / 32

# SPECIFICATIONS

	FORTIGATE-100D	FORTIGATE-140D	FORTIGATE-140D-POE	FORTIGATE-140D-POE-T1
<b>Hardware Specifications</b>				
GbE RJ45 Ports	20	40	24	24
GbE RJ45 PoE Ports	-	-	16	16
GbE SFP or RJ45 Shared Ports	2	-	-	-
GbE SFP Ports	-	2	2	2
USB Ports (Client / Server)	1 / 2	1 / 1	1 / 1	1 / 1
T1 Port	-	-	-	1
Console Port	-	-	1	-
Internal Storage	-	-	32 GB	-
<b>System Performance</b>				
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	-	-	2,500 / 1,000 / 200 Mbps	-
Firewall Latency (64 byte UDP packets)	37 µs	46 µs	46 µs	46 µs
Firewall Throughput (Packets Per Second)	-	-	300 Kpps	-
Concurrent Sessions (TCP)	-	-	3 Million	-
New Sessions/Sec (TCP)	-	-	22,000	-
Firewall Policies	-	-	10,000	-
IPSec VPN Throughput (512 byte packets)	-	-	450 Mbps	-
Gateway-to-Gateway IPSec VPN Tunnels	-	-	2,000	-
Client-to-Gateway IPSec VPN Tunnels	-	-	5,000	-
SSL-VPN Throughput	-	-	300 Mbps	-
Concurrent SSL-VPN Users (Recommended Max)	-	-	300	-
IPS Throughput	-	-	950 Mbps	-
Antivirus Throughput (Proxy Based / Flow Based)	-	-	300 / 650 Mbps	-
Virtual Domains (Default / Max)	-	-	10 / 10	-
Max Number of FortiAPs (Total / Tunnel Mode)	-	-	64 / 32	-
Max Number of FortiTokens	-	-	1,000	-
Max Number of Registered FortiClients	-	-	2,000	-
High Availability Configurations	-	-	Active / Active, Active / Passive, Clustering	-
<b>Dimensions</b>				
Height x Width x Length (in)	1.75 x 17.01 x 11.73 in	1.75 x 17.01 x 12.28 in	1.75 x 17.01 x 12.28 in	1.75 x 17.01 x 12.28 in
Height x Width x Length (mm)	44 x 432 x 298 mm	44 x 432 x 312 mm	44 x 432 x 312 mm	44 x 432 x 312 mm
Form Factor	-	-	Rack Mount, 1 RU	-
Weight	9.5 lbs (4.3 kg)	11.5 lbs (5.2 kg)	11.5 lbs (5.2 kg)	11.5 lbs (5.2 kg)
<b>Environment</b>				
Power Required	-	-	100 - 240 VAC, 50 - 60 Hz	-
Max Current	110 V / 3 A, 220 V / 1.5 A	110 V / 2 A, 220 V / 1 A	110 V / 4 A, 220 V / 2 A	110 V / 4 A, 220 V / 2 A
Total Available PoE Power Budget	-	-	270 W	270 W
Power Consumption (AVG / Max)	52.6 W / 63.1 W	44.8 / 58.7 W	193.4 W / 337.1 W	193.4 W / 337.1 W
Heat Dissipation	215.3 BTU/h	200.3 BTU/h	1150.2 BTU/h	1150.2 BTU/h
Operating Temperature	-	-	32 - 104 °F (0 - 40 °C)	-
Storage Temperature	-	-	-31 - 158 °F (-35 - 70 °C)	-
Humidity	-	-	20 to 90% non-condensing	-
<b>Compliance</b>				
-	-	-	FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB	-
<b>Certifications</b>				
-	-	-	ICSA Labs: Firewall, IPSec, IPS, Antivirus, 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.

	<b>GLOBAL HEADQUARTERS</b> Fortinet Inc. 1090 Kifer Road Sunnyvale, CA 94086 United States Tel: +1.408.235.7700 Fax: +1.408.235.7737	<b>EMEA SALES OFFICE</b> 120 rue Albert Caquot 06560, Sophia Antipolis, France Tel: +33.4.8987.0510 Fax: +33.4.8987.0501	<b>APAC SALES OFFICE</b> 300 Beach Road #20-01 The Concourse Singapore 199555 Tel: +65.6513.3730 Fax: +65.6223.6784	<b>LATIN AMERICA SALES OFFICE</b> 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
--	--	---	--	--

Copyright© 2013 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, and FortiGuard®, are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance metrics contained herein were attained in internal lab tests under ideal conditions, and performance may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to the performance metrics herein. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any guarantees. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable. Certain Fortinet products are licensed under U.S. Patent No. 5,623,600.