



**FortiGate® 80D**  
Distributed Enterprise Firewall



## FortiGate 80D

### The Fortinet Enterprise Firewall Solution


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.

### One Enterprise Firewall Solution across the Extended Enterprise


The FortiGate family of network appliances represents the industry’s broadest range of enterprise firewall platforms. FortiGate is based on FortiASIC, a purpose-built integrated architecture that provides extremely high throughput and exceptionally low latency, while delivering industry-leading security effectiveness and consolidation which is routinely validated by independent real-world tests. Targeted for distributed enterprises, the FortiGate 80D contains consolidated security and networking functionality, various connectivity options along with Industry’s best performance in a compact form factor.

### Highlights


	Firewall	IPS	NGFW	Threat Protection	Interfaces
	Enterprise Traffic Mix				
FG-80D	1.3 Gbps	245 Mbps	210 Mbps	190 Mbps	Multiple GE RJ45




Validated Security




One Network OS



Performance



Single Pane of Glass



Universal Platform Support



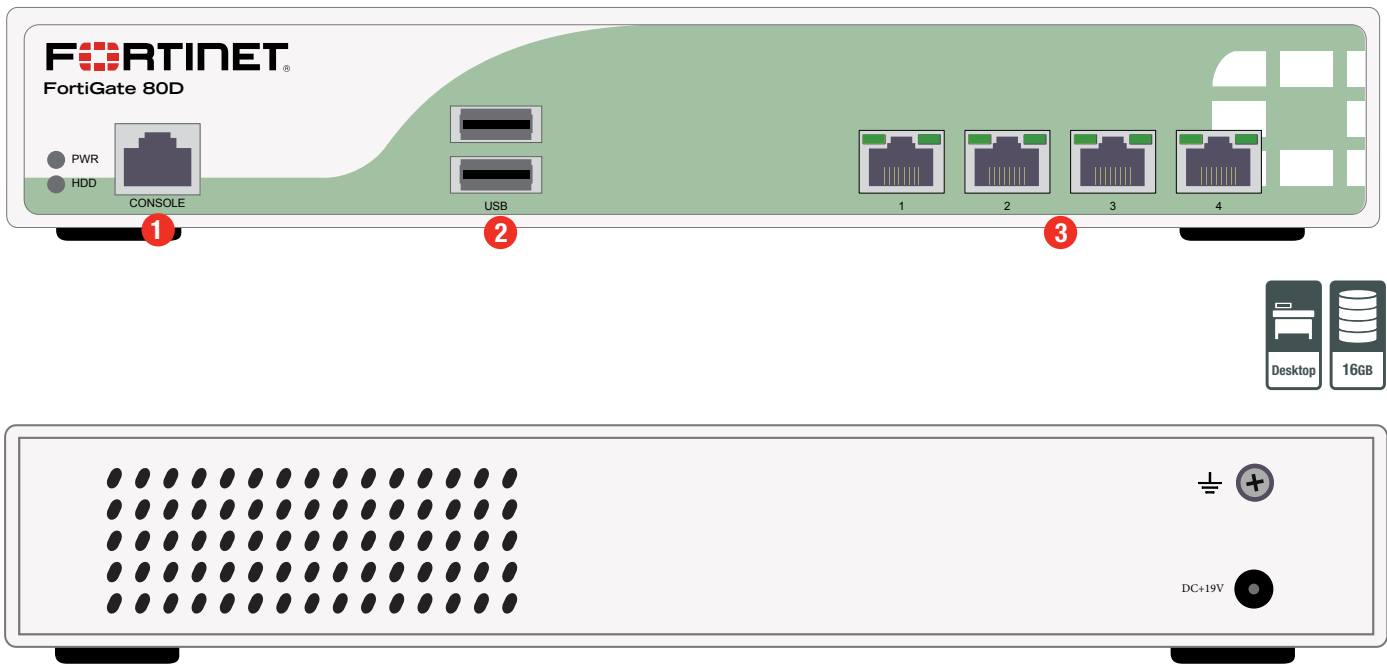
FortiGate appliances, interconnected with the Fortinet Security Fabric, form the backbone of the Fortinet Enterprise Solution

[forti.net/sf](https://forti.net/sf)



## HARDWARE

### FortiGate 80D



### Interfaces

1. Console Port
2. 2x USB Ports
3. 4x GE RJ45 Ports

### Install in Minutes with FortiExplorer

The FortiExplorer wizard enables easy setup and configuration coupled with easy-to-follow instructions. FortiExplorer runs on both Microsoft Windows and Mac OS X computers as well as popular mobile devices like Android and iOS. Using FortiExplorer is as simple as starting the application and connecting to the appropriate USB port on the FortiGate. By using FortiExplorer, you can be up and running and protected in minutes.

### Wireless and 3G/4G WAN Extensions

The FortiGate supports external 3G/4G modems that allow additional or redundant WAN connectivity for maximum reliability. The FortiGate can also operate as a wireless access point controller to further extend wireless capabilities.

### Compact and Reliable Form Factor

Designed for small environments, you can simply place the FortiGate 80D on a desktop. It is small, lightweight yet highly reliable with superior MTBF (Mean Time Between Failure), minimizing the chance of a network disruption.

## 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 ICASA 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 ASIC-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.



#### Enterprise 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 the FortiGuard Enterprise Bundle. This bundle contains the full set of FortiGuard security services plus FortiCare service and support offering the most flexibility and broadest range of protection all in one package.

## SPECIFICATIONS

FORTIGATE 80D	
<b>Hardware Specifications</b>	
GE RJ45 Ports	4
USB Ports	2
Console (RJ45)	1
Internal Storage	16 GB
<b>System Performance</b>	
Firewall Throughput	1.3 Gbps
Firewall Latency (64 byte UDP packets)	90 µs
Firewall Throughput (Packets Per Second)	255 Kpps
Concurrent Sessions (TCP)	1.5 Million
New Sessions/Second (TCP)	22,000
Firewall Policies	5,000
IPsec VPN Throughput (512 byte packets)	200 Mbps
Gateway-to-Gateway IPsec VPN Tunnels	200
Client-to-Gateway IPsec VPN Tunnels	1,000
SSL-VPN Throughput	130 Mbps
Concurrent SSL-VPN Users (Recommended Maximum)	200
IPS Throughput (HTTP / Enterprise Mix) <sup>1</sup>	800 / 245 Mbps
SSL Inspection Throughput <sup>2</sup>	210 Mbps
Application Control Throughput <sup>3</sup>	300 Mbps
NGFW Throughput <sup>4</sup>	210 Mbps
Threat Protection Throughput <sup>5</sup>	190 Mbps
CAPWAP Throughput <sup>6</sup>	1.1 Gbps
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

FORTIGATE 80D	
<b>Environment</b>	
Power Required	100–240V AC, 50–60 Hz
Maximum Current	110 V / 1.2 A, 220 V / 1.2 A
Power Consumption (Average / Maximum)	18 / 22 W
Heat Dissipation	74 BTU/h
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing
Operating Altitude	Up to 7,400 ft (2,250 m)
<b>Compliance</b>	
Regulatory Compliance	FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB
<b>Certifications</b>	
	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; USGv6/IPv6
<b>Dimensions</b>	
Height x Width x Length (inches)	1.61 x 8.27 x 5.24
Height x Width x Length (mm)	41 x 210 x 133
Weight	2.3 lbs (1.1 kg)
Form Factor	Desktop

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.

## ORDER INFORMATION

Product	SKU	Description
FortiGate 80D	FG-80D	4x GE RJ45 ports, 16 GB onboard storage, Maximum managed FortiAPs (Total / Tunnel) 32 / 16.
<b>Optional Accessory</b>		
Rack Mount Tray	SP-RACKTRAY-01	Rack mount tray for FG-30D, FG-40C, FG-50/51E, FG-60C, FG-60D/-POE, FG-70D, FG-80D, FG-90D/-POE, FAD-100E, FRC-100D, FWB-100D, FML-60D, FVE-100E.



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

EMEA SALES OFFICE  
905 rue Albert Einstein  
Valbonne 06560  
Alpes-Maritimes, France  
Tel: +33.4.8987.0500

APAC SALES OFFICE  
300 Beach Road 20-01  
The Concourse  
Singapore 199555  
Tel: +65.6395.2788

LATIN AMERICA SALES OFFICE  
Sawgrass Lakes Center  
13450 W. Sunrise Blvd., Suite 430  
Sunrise, FL 33323  
United States  
Tel: +1.954.368.9990