

# FortiGate®-80D

## High Performance UTM for Small Networks



The FortiGate-80D is compact, cost effective, all-in-one security appliances that deliver Fortinet's Connected UTM. Ideal for small business, remote, customer premise equipment (CPE) and retail networks, these appliances offer the network security, connectivity and performance you need.

### High Performance Network Security

Built on the foundation FortiOS 5, the FortiGate-80D series provides an integrated set of essential security technologies to protect all of your applications and data. 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 our FortiGuard® security subscription services you'll have automated protection against today's sophisticated threats.

### Advanced Features

The FortiGate-80D offers beyond the industry's best firewall with the latest in Advanced Threat Protection including Sandboxing and anti-bot protection, Feature Select Options for simplifying configurations and deployments, and Contextual Visibility for enhanced reporting and management.

VDOMs on the FortiGate-80D, let you segment networks to enable guest and employee access, or protect things like cardholder data. You get the flexibility to match your business needs and meet compliance standards like PCI and HIPAA.

With 16 GB of robust internal storage, the FortiGate-80D allows you to implement integrated WAN optimization and web caching to improve user productive when securely accessing remote applications and document.

### Key Features & Benefits

Unified Security	Multi-threat protection from a single device increases security and lowers costs
Simplified Licensing	Unlimited user licensing and comprehensive features
Built-in Storage	Allows implementation of WAN optimization and web cache, as well as extensive internal logging and reporting.

### Enterprise-Class Protection that's Easy to Deploy and Manage

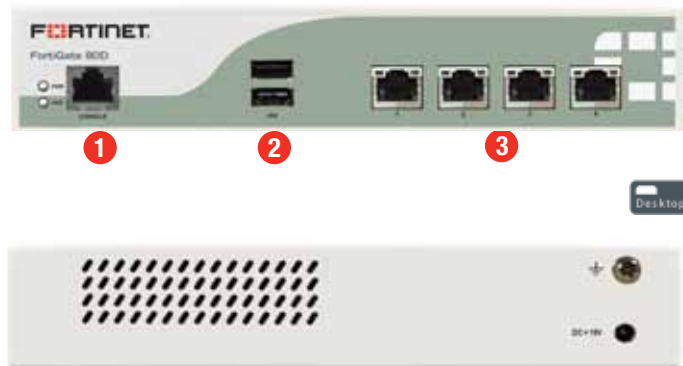
- High performance UTM – firewall, VPN, IPS, application control, web filtering, antivirus, antispam, DLP and more
- Runs on FortiOS 5 – the most powerful security operating system in the world delivers more protection for fighting advanced threats and visibility with deep contextual information
- Reliable internal storage for logging, reporting, web caching and WAN Optimization



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



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



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

## 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.

## 3G/4G WAN Connectivity

The FortiGate-80D Series includes USB ports that allow you to plug in a compatible 3rd party 3G/4G USB modem, providing additional WAN connectivity or a redundant link for maximum reliability.

## 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.

# 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 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-80D	FG-80D	4x GE RJ45 ports, 16GB onboard storage, Max managed FortiAPs (Total / Tunnel) 32 / 16
Accessory	SKU	Description
Rack Mount Tray	SP-RACKTRAY-01	Rack mount tray for supported products.

# SPECIFICATIONS

## FORTIGATE-80D

### Hardware Specifications

GbE RJ45 Ports	4
USB Ports	2
Console (RJ45)	1
Internal Storage	16 GB

### System Performance

Firewall Throughput (1518 / 512 / 64 byte UDP packets)	1,300 / 950 / 170 Mbps
Firewall Latency (64 byte UDP packets)	90 µs
Firewall Throughput (Packets Per Second)	255 Kpps
Concurrent Sessions (TCP)	1.5 Million
New Sessions/Sec (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 Max)	200
IPS Throughput	800 Mbps
Antivirus Throughput (Proxy Based / Flow Based)	250 / 550 Mbps
Virtual Domains (Default / Max)	10 / 10
Max Number of FortiAPs (Total / Tunnel Mode)	32 / 16
Max Number of FortiTokens	100
Max Number of Registered FortiClients	200
High Availability Configurations	Active / Active, Active / Passive, Clustering

### Dimensions

Height x Width x Length (in)	1.61 x 8.27 x 5.24 in
Height x Width x Length (mm)	41 x 210 x 133 mm
Form Factor	Desktop
Weight	2.3 lbs (1.1 kg)

### Environment

Power Required	100 - 240 VAC, 50 - 60 Hz
Max Current	110 V / 1.2 A, 220 V / 1.2 A
Power Consumption (AVG / Max)	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 to 90% non-condensing
Operating Altitude	Up to 7,400 ft (2,250 m)

### Compliance

FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB

### Certifications

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. IPSec VPN performance is based on 512 byte UDP packets using AES-256+SHA1.



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