

# FortiGate/FortiWiFi®-90D Series

## Enterprise-Grade Protection for Smaller Networks

FortiGate/FortiWiFi-90D Series consolidated security appliances deliver comprehensive enterprise-class protection for remote locations, branch offices, customer premise equipment (CPE) and retail networks. The FortiGate/FortiWiFi-90D Series combines FortiOS™, the industry's leading network security operating system, with the Fortinet System on a Chip (SoC) purpose-built processor. Designed by Fortinet, the SoC integrates FortiASIC security acceleration logic delivering a simplified appliance design, breakthrough performance, and industry-leading security coverage.

FortiGate/FortiWiFi-90D Series platforms include all of Fortinet's unified threat management (UTM) capabilities; firewall, IPS, application control, VPN, web filtering and integrated wireless controller. In addition, they include the latest technology in advanced threat protection, designed to defend against Advanced Persistent Threats (APT). All features are easily managed from a 'single pane of glass' management console. By consolidating multiple security technologies into a single appliance, the FortiGate/FortiWiFi-90D Series eliminates multiple hardware devices and software solutions, greatly simplifying security while substantially reducing total cost of ownership.

Capitalizing on an array of security enforcement technologies, the FortiGate/FortiWiFi-90D Series helps you maintain data protection compliance with PCI, HIPAA, and GLBA regulations. It also eases the migration to new industry standards such as IPv6, supporting dynamic routing for both IPv4 and IPv6 networks. Available FortiGuard® security subscription services deliver dynamic, automated updates and ensure up-to-date protection against sophisticated threats.

### Key Features & Benefits

Enterprise-grade protection for smaller networks	Enables deployment of Fortinet's unmatched protection and performance in smaller environments
Redundant connectivity methods	Dual (2) 10/100/1000 WAN interfaces offer redundant connections to ensure availability of data
Centralized Management	FortiManager and FortiAnalyzer centralized management and reporting appliances simplify the deployment, monitoring, and maintenance of the security infrastructure

*Proven Security for Branch Offices, Retail Locations, and Customer Premise Equipment*

- Delivers up to 3.5 Gbps firewall throughput with 14 x 10/100/1000 RJ45 switch and 2 x 10/100/1000 RJ45 WAN interfaces
- Internal storage provides local archiving of data for policy compliance or WAN optimization
- 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



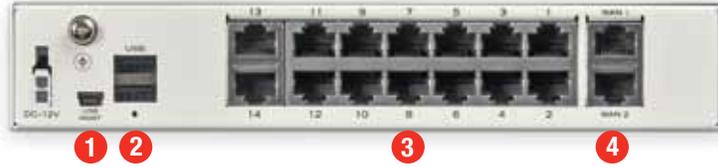
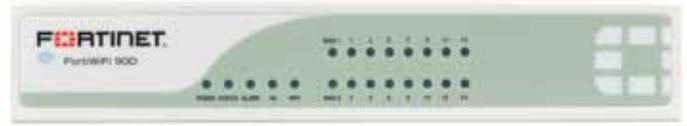
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## FortiGate-90D

## FortiWiFi-90D



- 1 USB Management Port
- 2 2 x USB Ports
- 3 14 x GE RJ45 Switch Ports
- 4 2 x GE RJ45 WAN Ports



Powered by  
FortiASIC SOC2

- Combines a RISC-based CPU with Fortinet's proprietary FortiASIC™ 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 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 place it on a desktop or wall-mount it. It is small, lightweight yet highly reliable with superior MTBF (Mean Time Between Failure), minimizing the chance of a network disruption.

### Superior Wireless Coverage

A built-in dual-band, dual-stream access point with internal antennas is integrated on the FortiWiFi-90D and provides speedy 802.11n coverage on both 2.4 GHz and 5 GHz bands. The dual-band chipset addresses the PCI-DSS compliance requirement for rogue AP wireless scanning, providing maximum protection for regulated environments.

# 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-90D	FG-90D	16 x GE RJ45 ports (2x WAN ports, 14x Switch ports), 32GB onboard storage
FortiWiFi-90D	FWF-90D	16 x GE RJ45 ports (2x WAN ports, 14x Switch ports), Wireless (802.11a/b/g/n), 32GB onboard storage

# SPECIFICATIONS

	FORTIGATE-90D	FORTIWIFI-90D
<b>Hardware Specifications</b>		
GbE RJ45 WAN Ports	2	
GbE RJ45 Switch Ports	14	
Wireless Interface		802.11 a/b/g/n
USB Ports (Client / Server)	1 / 2	
Internal Storage	32 GB	
<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)	1.5 Million	
New Sessions/Sec (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 Max)	200	
IPS Throughput	275 Mbps	
Antivirus Throughput (Proxy Based / Flow Based)	35 / 65 Mbps	
Virtual Domains (Default / Max)	10 / 10	
Max Number of FortiAPs (Tunnel / Local Bridge)	16 / 16	
Max Number of FortiTokens	100	
Max Number of Registered FortiClients	200	
High Availability Configurations	Active / Active, Active / Passive, Clustering	
<b>Dimensions</b>		
Height x Width x Length (in)	1.72 x 9.17 x 8.78 in	
Height x Width x Length (mm)	44 x 233 x 223 mm	
Form Factor	Desktop	
Weight	3.5 lbs (1.6 kg)	
<b>Environment</b>		
Power Required	100 - 240 VAC, 50 - 60 Hz	
Max Current	110 V / 1.5 A, 220 V / 0.75 A	
Power Consumption (AVG / Max)	18.2 W / 21.8 W	20.7 W / 24.8 W
Heat Dissipation	74.4 BTU / h	84.6 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 B, 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.



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