



FortiGate/FortiWiFi®-90D Series

Enterprise-Grade Protection for Distributed Network Locations

The FortiGate/FortiWiFi-90D Series are compact, all-in-one security appliances that deliver Fortinet's Connected UTM. Ideal for remote, customer premise equipment (CPE) and retail networks, these appliances 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.

Reduce the need for additional wireless access points by integrating a high-bandwidth "fat-client" into your FortiGate with the FortiWiFi-90D. It's also a great option to secure mobile devices in BYOD environments with automatic device identification and customizable access and security policies.

You'll appreciate features like WAN Optimization, Data Archiving and VDOMs for your distributed networks. VDOMs on the FortiGate/FortiWiFi-90D, 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 90D series 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.

Key Features & Benefits

Unified Security	Multi-threat protection from a single device increases security and lowers costs for remote locations
Simplified Licensing	Unlimited user licensing and comprehensive features
Multi-Port Interfaces	Multiple network interfaces and optional wireless connectivity enable data segmentation for compliance and flexible deployment

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

- 3.5 Gbps throughput performance delivers fast network response
- Integrated switch and options for PoE simplify your network infrastructure
- Up to 2x WAN and 14x LAN (4x Power Over Ethernet ports on POE models)
- 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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HARDWARE

FortiGate-90D



1



2

3

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5

- 1 Console Port
- 2 USB Management Port
- 3 2 x USB Ports
- 4 14 x GE RJ45 Switch Ports / 10 x GE RJ45 Switch and 4 x RJ45 PoE Ports on POE Models
- 5 2 x GE RJ45 WAN Ports

FortiWiFi-90D



FortiGate-90D-POE



FortiWiFi-90D-POE



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. Max managed FortiAPs (Total / Tunnel) 32 / 16
FortiWiFi-90D	FWF-90D	16 x GE RJ45 ports (2x WAN ports, 14x Switch ports), Wireless (802.11a/b/g/n), 32GB onboard storage. Max managed FortiAPs (Total / Tunnel) 32 / 16
FortiGate-90D-POE	FG-90D-POE	16 x GE RJ45 ports (including 2 x WAN ports, 10 x Switch ports, 4 x PoE ports), 32GB SSD onboard storage. Max managed FortiAPs (Total / Tunnel) 32 / 16
FortiWiFi-90D-POE	FWF-90D-POE	16 x GE RJ45 ports (including 2 x WAN ports, 10 x Switch ports, 4 x PoE ports), Wireless (802.11a/b/g/n), 32GB SSD onboard storage. Max managed FortiAPs (Total / Tunnel) 32 / 16

SPECIFICATIONS

	FORTIGATE-90D	FORTIWIFI-90D	FORTIGATE-90D-POE	FORTIWIFI-90D-POE
Hardware Specifications				
GbE RJ45 WAN Ports			2	
GbE RJ45 Switch Ports	14	14	10	10
GbE RJ45 PoE Ports	-	-	4	4
Wireless Interface	-	802.11 a/b/g/n	-	802.11 a/b/g/n
USB Ports (Client / Server)			1 / 2	
Console (RJ45)			1	
Internal Storage			32 GB	
System Performance				
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)			2 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 (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)	1.72 x 8.5 x 8.78 in	1.72 x 9.2 x 8.78 in	1.72 x 8.5 x 8.78 in	1.72 x 9.2 x 8.78 in
Height x Width x Length (mm)	44 x 216 x 223 mm	44 x 234 x 223 mm	44 x 216 x 223 mm	44 x 234 x 223 mm
Form Factor			Desktop	
Weight			3.5 lbs (1.6 kg)	
Environment				
Power Required			100 - 240 VAC, 50 - 60 Hz	
Max Current	110 V / 1.5 A, 220 V / 0.75 A	110 V / 1.5 A, 220 V / 0.75 A	110 V / 2 A, 220 V / 1 A	110 V / 2 A, 220 V / 1 A
Total Available PoE Power Budget	-	-	61.6 W	61.6 W
Power Consumption (AVG / Max)	18 / 22 W	21 / 25 W	59 / 89 W	60 / 90 W
Heat Dissipation	74 BTU / h	85 BTU / h	303 BTU / h	307 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.

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