



**FortiGate® 70D Series**  
Security Gateway for Distributed Branch Offices



# FortiGate 70D Series

FortiGate 70D and 70D-POE

The FortiGate 70D series is a compact, all-in-one security appliance that delivers 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 with attractive TCO.

## Advanced Protection

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.

Built on the foundation of the FortiASIC System on a Chip 2 (SoC2) and FortiOS 5, the FortiGate 70D series provides high performance firewall and VPN capabilities plus comprehensive complementary security technologies.

You’ll also appreciate features like VDOMs for your distributed networks. VDOMs on the FortiGate 70D series let you segment networks to enable guest and employee access, or protect things like cardholder data to meet compliance standards like PCI and HIPAA.

## Highlights

	Firewall Performance	IPS Performance	Interfaces
70D	3.5 Gbps	275 Mbps	Multiple GE RJ45
70D-POE	3.5 Gbps	275 Mbps	Multiple GE RJ45 and GE RJ45 PoE

## Features & Benefits

- High Speed Firewall and VPN powered by FortiASIC™ SoC2.
- Runs on FortiOS 5 — the most powerful security operating system in the world delivers more security to fight advanced threats, more control to users and devices, and more intelligence to build secure policies.
- Simplify installations with FortiExplorer and Wizards.



# HARDWARE

## FortiGate 70D



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## FortiGate 70D-POE



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### Interfaces

1. Console Port
2. USB Management Port
3. 2x USB Ports
4. 14x GE RJ45 Switch Ports
5. 2x GE RJ45 WAN Ports

### Interfaces

1. Console Port
2. USB Management Port
3. 2x USB Ports
4. 10x GE RJ45 Switch and 4x RJ45 PoE Ports
5. 2x 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 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.

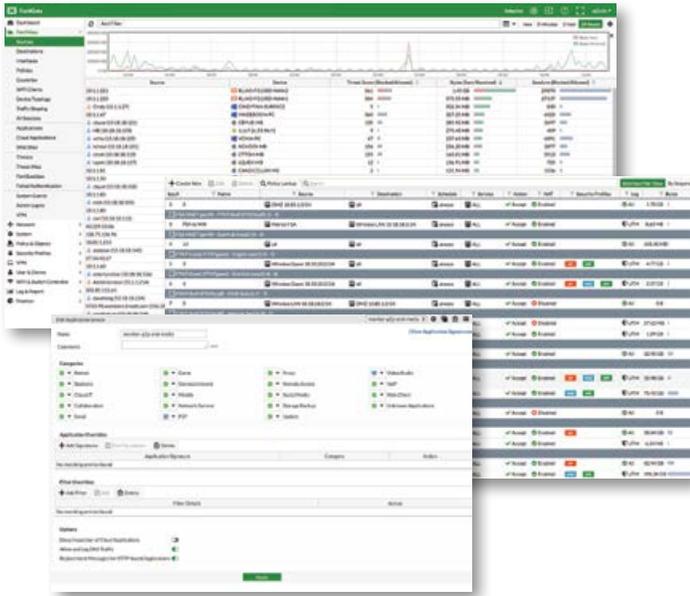
### 3G/4G WAN Connectivity

The FortiGate 70D series includes USB ports that allow you to plug in a compatible third-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.

## SOFTWARE



FortiOS Management UI —  
FortiView, Policy Table and Application Control Panel

### 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 ICSA 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.



For more information, please refer to <http://forti.net/guard>

### 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.
- **Premium 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.



For more information, please refer to <http://forti.net/care>

## SPECIFICATIONS

	FG-70D	FG-70D-POE
<b>Hardware Specifications</b>		
GE RJ45 WAN Ports	2	2
GE RJ45 Switch Ports	14	10
GE RJ45 PoE Ports	–	4
USB Ports (Client / Server)	1 / 2	1 / 2
Console (RJ45)	1	1
<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)	2 Million	
New Sessions/Second (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 Maximum)	200	
IPS Throughput (HTTP / Enterprise Mix)	275 / 41 Mbps	
SSL Inspection Throughput	35 Mbps	
NGFW Throughput	22.5 Mbps	
CAPWAP Throughput	250 Mbps	
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	

	FG-70D	FG-70D-POE
<b>Environment</b>		
Power Required	100–240V AC, 50–60 Hz	
Maximum Current	110 V / 1.5 A, 220 V / 0.75 A	110 V / 2 A, 220 V / 1 A
Total Available PoE Power Budget*	–	61.6 W
Power Consumption (Average / Maximum)	17 / 21 W	59 / 89 W
Heat Dissipation	72 BTU/h	303 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	FCC Part 15 Class B/A, C-Tick, VCCI, CE, UL/ cUL, CB
<b>Certifications</b>		
	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN	
<b>Dimensions</b>		
Height x Width x Length (inches)	1.72 x 8.5 x 8.78	
Height x Width x Length (mm)	44 x 216 x 223	
Weight	3.5 lbs (1.6 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. NGFW performance is measured with Flow AV (Quick Mode), IPS and Application Control enabled, based on Enterprise Traffic Mix. SSL Inspection is measured with IPS enabled and HTTP traffic, using TLS v1.2 with AES256-SHA. CAPWAP performance is based on 1444 byte UDP packets.

\*Maximum loading on each PoE port is 15.4 W (802.3af).

## ORDER INFORMATION

Product	SKU	Description
FortiGate 70D	FG-70D	16x GE RJ45 ports, (including 2x WAN ports, 14x Switch ports), Maximum managed FortiAPs (Total / Tunnel) 32 / 16.
FortiGate 70D-POE	FG-70D-POE	16x GE RJ45 ports, (including 2x WAN ports, 10x Switch RJ45 ports, 4x RJ45 PoE ports), 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.



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