

## Overview

In order to comply with legislation and secure the valuable data traversing networks, small and medium enterprises and remote branch offices need a security solution that integrates multiple attack recognition technologies into a single device. With limited budgets and modest remote resources, these smaller networks desire a cost-effective solution that is simple to install, connect and maintain. Just as importantly, networks are ever-expanding and need a solution that leaves them with room to grow over time. The FortiGate 100D series is an ideal security solution for small and medium enterprises or remote branch offices of larger networks. It combines firewall, IPSec and SSL VPN, application control, intrusion prevention, anti-malware, antispam, P2P security, and web filtering into a single device.

The FortiGate 100D series delivers next generation firewall capabilities for mid-sized to large enterprises, with the flexibility to be deployed at the campus or enterprise branch. Protect against cyber threats with security processor powered high performance, security efficacy and deep visibility.



Firewall	IPS	NGFW	Threat Protection	Interfaces
2.5 Gbps	400 Mbps	250 Mbps	200 Mbps	Multiple GE RJ45, GE SFP Slots   PoE Variants

## Security

- Protects against known exploits, malware and malicious websites using continuous threat intelligence provided by FortiGuard Labs security services
- Identify thousands of applications including cloud applications for deep inspection into network traffic
- Detects unknown attacks using dynamic analysis and provides automated mitigation to stop targeted attacks

## Performance

- Delivers industry's best threat protection performance and ultra-low latency using purpose-built security processor (SPU) technology
- Provides industry-leading performance and protection for SSL encrypted traffic

## Certification

- Independently tested and validated best security effectiveness and performance
- Received unparalleled third-party certifications from NSS Labs, ICSA, Virus Bulletin and AV Comparatives



## Networking

- Delivers an extensive routing, switching, wireless controller and high-performance IPsec VPN capabilities to consolidate networking and security functionality
- Enables flexible deployment such as Next Generation Firewall and Secure SD-WAN

## Management

- Single Pane of Glass with Network Operations Center (NOC) view provides 360° visibility to identify issues quickly and intuitively
- Predefined compliance checklist analyzes the deployment and highlights best practices to improve overall security posture

## Security Fabric

- Enables Fortinet and Fabric-ready partners' products to collaboratively integrate and provide end-to-end security across the entire attack surface
- Automatically builds Network Topology visualizations which discover IoT devices and provide complete visibility into Fortinet and Fabric-ready partner products.

## Deployment

### Next Generation Firewall (NGFW)

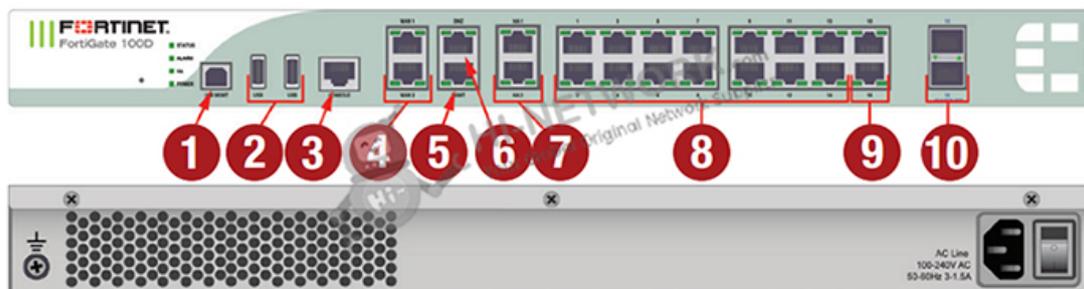
- Combines threat prevention security capabilities into single high performance network security appliance
- Reduces complexity by creating campus topology view and providing granular visibility of devices, users and threat information
- Identify and stop threats with powerful intrusion prevention beyond port and protocol that examines the actual content of your network traffic
- Delivers industry's highest SSL inspection performance using industry-mandated ciphers
- Proactively detect malicious unknown threats using integrated cloud-based sandbox service

### Secure SD-WAN

- Secure direct Internet access for Cloud applications for improved latency and reduce WAN cost spending
- Effective, cost-efficient and high-performance threat prevention capabilities
- WAN Path Controller and Link Health Monitoring for better application performance
- Security Processor powered industry's best IPsec VPN and SSL Inspection performance
- Centralized Management and Zero-Touch deployment



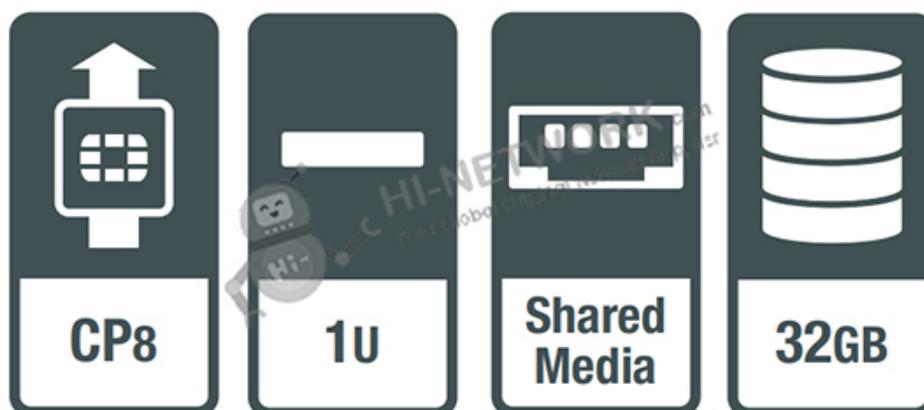
## Hardware



## Interfaces

(1)	USB Management Port	(6)	1x GE RJ45 DMZ Port
(2)	2x USB Ports	(7)	2x GE RJ45 HA Ports
(3)	Console Port	(8)	14x GE RJ45 Switch Ports
(4)	2x GE RJ45 WAN Ports	(9)	2x GE RJ45 Shared Ports
(5)	1x GE RJ45 Management Port	(10)	2x GE SFP Shared Ports

## Hardware Features



## Powered by SPU CP8

- Providing high-speed cryptography for encryption and decryption
- Accelerates signature-based content inspection services such as AV and IPS

## 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.

## Power up with PoE Interfaces

The FortiGate-140D-POE and FortiGate-140D-POE-T1 include PoE interfaces that allow you to plug in compatible wireless access points and IP phones out of the box, providing ease of deployment and lower TCO.

## Fortinet Security Fabric

### Security Fabric

The Security Fabric allows security to dynamically expand and adapt as more and more workloads and data are added. Security seamlessly follows and protects data, users, and applications as they move between IoT, devices, and cloud environments throughout the network.

FortiGates are the foundation of Security Fabric, expanding security via visibility and control by tightly integrating with other Fortinet security products and Fabric-Ready Partner solutions.

### 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-boosted capabilities you need on the fastest firewall platform available.

## 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 and other network and security vendors, as well as law enforcement agencies.

### 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

### Get More Information

Do you have any question about the FG-100D?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

FortiGate 100D Specification	
<b>Hardware Specifications</b>	
GbE RJ45 Ports	20
GbE RJ45 PoE Ports	-
GbE SFP or RJ45 Shared Ports	2
GbE SFP Ports	-
USB Ports (Client / Server)	1/2
T1 Port	-
Console Port	1
Internal Storage	32 GB
<b>System Performance</b>	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	2,500 / 1,000 / 200 Mbps
Firewall Latency (64 byte UDP packets)	37 μs

# FortiGate 100D Datasheet

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Firewall Throughput (Packets Per Second)	300 Kpps
Concurrent Sessions (TCP)	3 Million
New Sessions/Sec (TCP)	22,000
Firewall Policies	10,000
IPSec VPN Throughput (512 byte packets)	450 Mbps
Gateway-to-Gateway IPSec VPN Tunnels	2,000
Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	300 Mbps
Concurrent SSL-VPN Users (Recommended Max)	300
IPS Throughput	950 Mbps
Antivirus Throughput (Proxy Based / Flow Based)	300 / 650 Mbps
Virtual Domains (Default / Max)	10 / 10
Max Number of FortiAPs (Total / Tunnel Mode)	64 / 32
Max Number of FortiTokens	1,000
Max Number of Registered FortiClients	2,000
High Availability Configurations	Active / Active, Active / Passive, Clustering
<b>Dimensions</b>	
Height x Width x Length (in)	1.75 x 17.01 x 11.73 in
Height x Width x Length (mm)	44 x 432 x 298 mm
Form Factor	Rack Mount, 1 RU
Weight	9.5 lbs (4.3 kg)
<b>Environmental</b>	
Power Required	100 - 240 VAC, 50 - 60 Hz
Max Current	110 V / 3 A, 220 V / 1.5 A
Total Available PoE Power Budget	-
Power Consumption (AVG / Max)	52.6 W / 63.1 W
Heat Dissipation	215.3 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 &amp; Certifications</b>	
Compliance	FCC Class A Part 15, UL/CUL, CE, C Tick, VCCI
Certifications	ICSA Labs: Firewall, SSL VPN, IPS, Antivirus





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