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Overview

The FortiGate/FortiWiFi 60F series provides a fast and secure SD-WAN solution in a compact fanless desktop form factor for enterprise branch offices and mid-sized businesses. Protects against cyber threats with system-on-a-chip acceleration and industry-leading secure SDWAN in a simple, affordable, and easy to deploy solution. Fortinet's Security-Driven Networking approach provides tight integration of the network to the new generation of security.



Firewall	IPS	NGFW	Threat Protection	Interfaces
10 Gbps	1.4 Gbps	1 Gbps	700 Mbps	Multiple GE RJ45 Variants with internal storage WiFi variants

Security

- Identifies thousands of applications inside network traffic for deep inspection and granular policy enforcement
- Protects against malware, exploits, and malicious websites in both encrypted and non-encrypted traffic
- Prevent and detect against known and unknown attacks using continuous threat intelligence from AI powered FortiGuard Labs security services

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

Networking

- Delivers advanced networking capabilities that seamlessly integrate with advanced layer 7 security and virtual domains (VDOMs) to offer extensive deployment flexibility, multi-tenancy and effective utilization of resources
- Delivers high-density, flexible combination of various high-speed interfaces to enable best TCO for customers for data center and WAN deployments

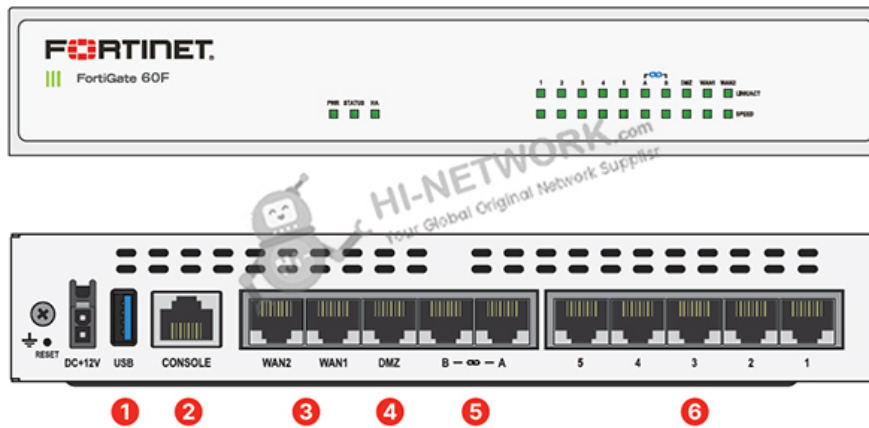
Management

- Includes Management Console that's effective, simple to use, and provides comprehensive network automation & visibility.
- Provides Zero Touch Integration with Security Fabric's Single Pane of Glass Management
- 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 provide broader visibility, integrated end-to-end detection, threat intelligence sharing, and automated remediation

Hardware



Interfaces

(1)	1x USB Port	(4)	1x GE RJ45 DMZ Port
(2)	1x Console Port	(5)	2x GE RJ45 FortiLink Ports
(3)	2x GE RJ45 WAN Ports	(6)	5x GE RJ45 Internal Ports

Hardware Features



Powered by Purpose-built Secure SD-WAN ASIC SOC4

- Combines a RISC-based CPU with Fortinet's proprietary Security Processing Unit (SPU) content and network processors for unmatched performance
- Delivers industry's fastest application identification and steering for efficient business operations
- Accelerates IPsec VPN performance for best user experience on direct internet access
- Enables best of breed NGFW Security and Deep SSL Inspection with high performance
- Extends security to access layer to enable SD-Branch transformation with accelerated and integrated switch and access point connectivity

3G/4G WAN Connectivity

The FortiGate 60F Series includes a USB port that allows 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.

Secure Access Layer

FortiLink protocol enables you to converge security and the network access by integrating the FortiSwitch into the FortiGate as a logical extension of the NGFW. These FortiLink enabled ports can be reconfigured as regular ports as needed.

Deployment

Next Generation Firewall (NGFW)

- Reduce the complexity and maximize your ROI by integrating threat protection security capabilities into a single high-performance network security appliance, powered by Fortinet's Security Processing Unit (SPU)
- Full visibility into users, devices, applications across the entire attack surface and consistent security policy enforcement irrespective of asset location
- Protect against network exploitable vulnerabilities with industry-validated IPS that offers low latency and optimized network performance
- Automatically block threats on decrypted traffic using the Industry's highest SSL inspection performance, including the latest TLS 1.3 standard with mandated ciphers
- Proactively block newly discovered sophisticated attacks in real-time with AI-powered FortiGuard Labs and advanced threat protection services included in the Fortinet Security Fabric

Secure SD-WAN

- Consistent business application performance with accurate detection, dynamic WAN path steering and optimization
- Multi-cloud access for faster SaaS adoption with end-to-end optimization
- Simplified and intuitive workflow with FortiManger for management and zero touch deployment
- Strong security posture with next generation firewall and real-time threat protection

Fabric Security

Security Fabric

The industry's highest-performing cybersecurity platform, powered by FortiOS, with a rich ecosystem designed to span the extended digital attack surface, delivering fully automated, self-healing network security.

- **Broad:** Coordinated detection and enforcement across the entire digital attack surface and lifecycle with converged networking and security across edges, clouds, endpoints and users
- **Integrated:** Integrated and unified security, operation, and performance across different technologies, location, deployment options, and the richest Ecosystem
- **Automated:** Context aware, self-healing network & security posture leveraging cloud-scale and advanced AI to automatically deliver near-real-time, user-to-application coordinated protection across the Fabric

The Fabric empowers organizations of any size to secure and simplify their hybrid infrastructure on the journey to digital innovation.

FortiOS™ Operating System

FortiOS, Fortinet's leading operating system enable the convergence of high performing networking and security across the Fortinet Security Fabric delivering consistent and context-aware security posture across network endpoint, and clouds. The organically built best of breed capabilities and unified approach allows organizations to run their businesses without compromising performance or protection, supports seamless scalability, and simplifies innovation consumption. The release of FortiOS 7 dramatically expands the Fortinet Security Fabric's ability to deliver consistent security across hybrid deployment models consisting on appliances, software and As-a-

Service with SASE, ZTNA and other emerging cybersecurity solutions.

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™ Services

Fortinet is dedicated to helping our customers succeed, and every year FortiCare services help thousands of organizations get the most from their Fortinet Security Fabric solution. We have more than 1,000 experts to help accelerate technology implementation, provide reliable assistance through advanced support, and offer proactive care to maximize security and performance of Fortinet deployments.

Get More Information

Do you have any question about the FG-60F?

Contact us now via info@hi-network.com.

Specification

FortiGate 60F Specification	
Hardware Specifications	
GE RJ45 WAN / DMZ Ports	2 / 1
GE RJ45 Internal Ports	5
GE RJ45 FortiLink Ports (Default)	2
Wireless Interface	–
USB Ports	1
Console (RJ45)	1
Internal Storage	–
System Performance — Enterprise Traffic Mix	
IPS Throughput ²	1.4 Gbps

FortiGate 60F

Datasheet



NGFW Throughput ^{2, 4}	1 Gbps
Threat Protection Throughput ^{2, 5}	700 Mbps
System Performance	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	10/10/6 Gbps
Firewall Latency (64 byte UDP packets)	3.3 μs
Firewall Throughput (Packets Per Second)	9 Mpps
Concurrent Sessions (TCP)	700,000
New Sessions/Second (TCP)	35,000
Firewall Policies	5,000
IPsec VPN Throughput (512 byte) ¹	6.5 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	200
Client-to-Gateway IPsec VPN Tunnels	500
SSL-VPN Throughput	900 Mbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	200
SSL Inspection Throughput (IPS, avg. HTTPS) ³	630 Mbps
SSL Inspection CPS (IPS, avg. HTTPS) ³	400
SSL Inspection Concurrent Session (IPS, avg. HTTPS) ³	55,000
Application Control Throughput (HTTP 64K) ²	1.8 Gbps
CAPWAP Throughput (HTTP 64K)	8 Gbps
Virtual Domains (Default / Maximum)	10 / 10
Maximum Number of FortiSwitches Supported	16
Maximum Number of FortiAPs (Total / Tunnel Mode)	64 / 32
Maximum Number of FortiTokens	500
High Availability Configurations	Active-Active, Active-Passive, Clustering
Dimensions	
Height x Width x Length (inches)	1.5 x 8.5 x 6.3
Height x Width x Length (mm)	38.5 x 216 x 160 mm
Weight	2.23 lbs (1.01 kg)
Form Factor	Desktop
Radio Specifications	
Multiple User (MU) MIMO	–
Maximum Wi-Fi Speeds	–
Maximum Tx Power	–
Antenna Gain	–
Operating Environment and Certifications	

FortiGate 60F

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Power Rating	12Vdc, 3A
Power Required	Powered by External DC Power Adapter, 100–240V AC, 50/60 Hz
Maximum Current	100Vac/1.0A, 240Vac/0.6A
Power Consumption (Average / Maximum)	10.17 W / 12.43 W
Heat Dissipation	63.1 BTU/hr
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
Humidity	10–90% non-condensing
Noise Level	Fanless 0 dBA
Operating Altitude	Up to 7,400 ft (2,250 m)
Compliance	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

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