



# **Fortinet FG-40F**

## **Datasheet**



## Product Overview

- The FortiGate 40F series delivers a fast and secure SD-WAN solution, tailored for enterprise branch offices and mid-sized businesses. This compact, fanless desktop device ensures robust performance and protection.
- The device features 5 GE RJ45 ports (4 internal, 1 WAN) and leverages system-on-a-chip acceleration to enhance efficiency and security.
- This device is designed to be simple and affordable, ensuring seamless integration within existing network infrastructures.
- FortiGate 40F protects against cyber threats with industry-leading secure SD-WAN capabilities, making it an ideal choice for cost-effective and easy-to-deploy network solutions.
- With high throughput rates and advanced threat protection, it supports businesses in maintaining optimal network performance and security.

## Product Highlights

- Comprehensive Connectivity:** 5 GE RJ45 ports (4 internal, 1 WAN).
- Superior Performance:** Up to 1 Gbps IPS throughput, 800 Mbps NGFW throughput, and 600 Mbps threat protection throughput.
- Advanced Security:** Integrated system-on-a-chip acceleration with industry-leading secure SD-WAN.
- Compact and Fanless Design:** Sleek, desktop form factor suitable for space-constrained environments.
- High Availability:** Designed to ensure high reliability and performance for enterprise deployments.

## Detailed Features



FG-40F

Component	Specification
Hardware Accelerated GE RJ45 WAN/DMZ Ports	1
Hardware Accelerated GE RJ45 Internal Ports	3
Hardware Accelerated GE RJ45 FortiLink Ports	1
USB Ports	1
Console Port (RJ45)	1



## Extensive Port Options

Includes 1 hardware-accelerated GE RJ45 WAN/DMZ port, 3 internal GE RJ45 ports, and 1 FortiLink port.

## High-Performance Metrics

Achieves up to 5 Gbps IPv4 firewall throughput with minimal latency of 2.97 µs.

## Efficient Processing

Powered by a system-on-a-chip architecture, delivering reliable and efficient performance.

## Comprehensive Security Suite

Supports SSL-VPN, IPsec VPN, firewall policies, and advanced threat protection features.

## Scalable Solution

Supports up to 10 virtual domains and 200 IPsec VPN tunnels, making it highly scalable for growing enterprises.

# Technical Specifications

## Interfaces and Modules

Feature	Value
Hardware Accelerated GE RJ45 WAN/DMZ Ports	1
Hardware Accelerated GE RJ45 Internal Ports	3
Hardware Accelerated GE RJ45 FortiLink Ports	1
USB Ports	1
Console Port (RJ45)	1
Onboard Storage	0
Included Transceivers	0

## System Performance — Enterprise Traffic Mix

Feature	Value
IPS Throughput	1 Gbps
NGFW Throughput	800 Mbps
Threat Protection Throughput	600 Mbps



Metric	Value
IPv4 Firewall Throughput (UDP)	5 Gbps
Firewall Latency	2.97 µs
Firewall Throughput (PPS)	7.5 Mpps
Concurrent Sessions (TCP)	700,000
New Sessions/Second (TCP)	35,000
Firewall Policies	5,000
IPsec VPN Throughput	4.4 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	200
Client-to-Gateway IPsec VPN Tunnels	250
SSL-VPN Throughput	490 Mbps

## Product Comparison

Feature	FG-40F	FG-60F	FG-100F
Ports	5 GE RJ45 (4 internal, 1 WAN)	7 GE RJ45	10 GE RJ45 (8 internal, 2 WAN)
IPS Throughput	1 Gbps	1.4 Gbps	2 Gbps
NGFW Throughput	800 Mbps	1 Gbps	1.5 Gbps
Threat Protection Throughput	600 Mbps	700 Mbps	1.2 Gbps
Form Factor	Desktop	Desktop	Desktop

## Accessories

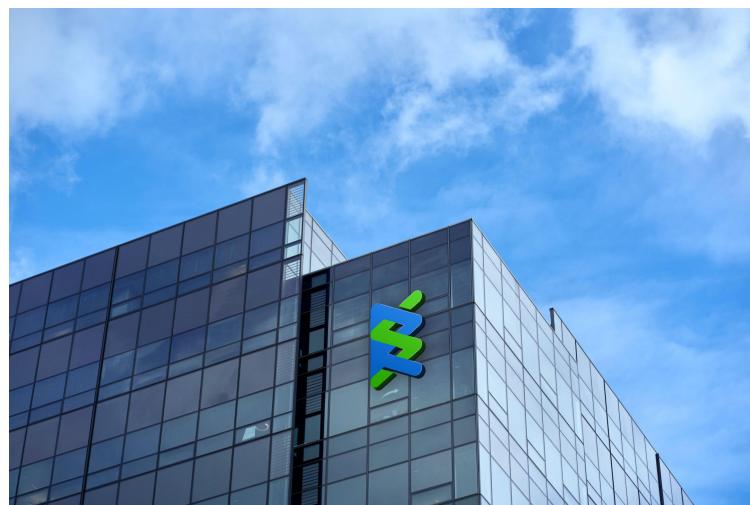
Category	Accessories
	- FortiGate Cloud Management
Optional Accessories	- FortiAnalyzer Integration
	- Additional FortiCare and FortiGuard Licenses



## Support & Warranty

24/7 Online Service	3-Year Premium Warranty	Professional Technical Support	100% Low Price Guarantee	100% Quality Assurance	100% Money Back Guarantee

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## Global Footprint

Global Warehouses & Service Centers Across Continents.



## Global Branches

### Headquarters (Hong Kong)

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### USA Branch

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### Shenzhen Branch

Jingfeng Building, 1001 Shangbu South Road, Futian District, Shenzhen, China

### UK Branch

Third Floor, 207 Regent Street, London W1B 3HH, UK



## References

- [1] Fortinet. (n.d.). FortiGate FortiWiFi 40F Series Data Sheet. From <https://www.fortinet.com/content/dam/fortinet/assets/data-sheets/pdf/fortigate-fortiwifi-40f-series.pdf>
- [2] Router-switch.com. (n.d.). Overview of Fortinet FG-40F. From <https://www.router-switch.com/fg-40f.html>