



FortiGate Edge Devices

Edge Device for the Windstream Enterprise SD-WAN and Managed Network Security with Fortinet

Windstream Enterprise SD-WAN and Managed Network Security with Fortinet

FortiGate Edge Devices offer SD-WAN with an excellent Security Solution for enterprise offices with branches from small to large. Protect against cyber threats with industry-leading secure SD-WAN in a simple, affordable and easy to deploy solution.

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

Prevents and detects against known and unknown attacks using continuous threat intelligence from AI powered FortiGuard Labs security services

Certification

Independently tested and validated best security effectiveness and performance

Received unparalleled third-party certifications from NSS Labs, ICSA, Virus Bulletin and AV Comparatives

Performance

Delivers industry's best threat protection performance and ultra-low latency using purpose-built security processor technology

Provides industry-leading performance and protection for SSL encrypted traffic

Networking

Enables flexible deployment such as UTM and secure SD-WAN capabilities to enable application steering using WAN path control for a high-quality experience

Delivers extensive routing, switching, wireless controller, high-performance, and scalable IPsec VPN capabilities

WE Connect Portal

Complete visibility of your network by location, application, device and user

Create your own customized dashboards with a variety of widgets to choose from and grant others permission to customize their own dashboards

Create customized naming for locations and devices and add customized tagging to create filters for simplified monitoring and reporting

WE Connect Report Center enables you to customize your own reporting for data aggregation across any set of user-defined sites

Access to WE Connect, safe-guarded with 2 factor authentication to protect your information

WE Connect alerts you when network performance becomes degraded or fails, and Windstream Enterprise takes proactive measures to resolve issues

Deployment

Unified Threat Management (UTM)

Integrated wired networking to simplify IT

Purpose-built hardware for industry-leading performance and easy administration

Provides consolidated security and networking for businesses and consistently provides top-rated threat protection

Proactively blocks newly discovered sophisticated attacks in real-time with advanced threat protection

SD-WAN

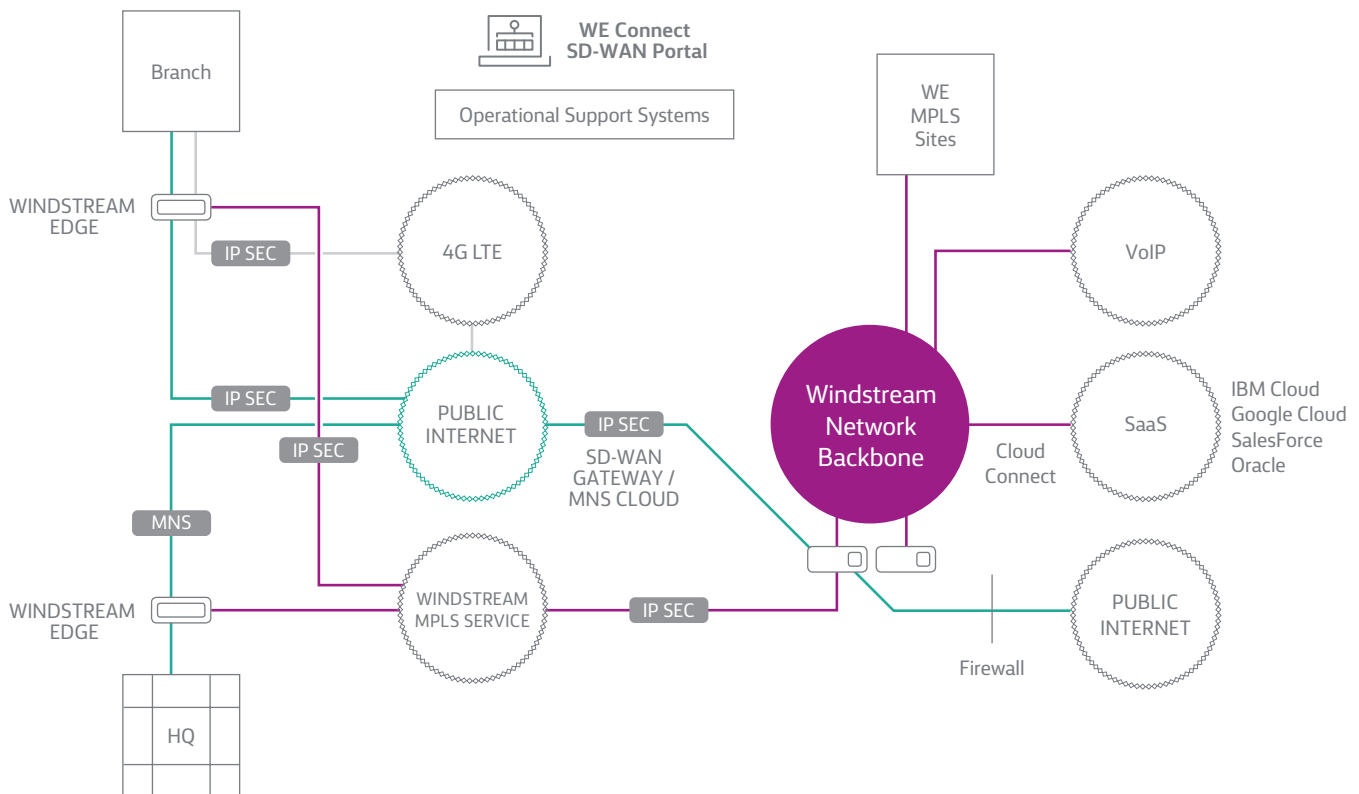
Industry's best IPsec VPN and SSL inspection performance, powered by security processor technology

Centralized visibility to network health, configuration management, and security through WE Connect Portal

Secure direct Internet access for Cloud Applications for improved latency and reduced WAN cost

Efficient high-performance threat protection capabilities that are cost-effective

WAN Path Controller and Link Health Monitoring for better application performance and quality

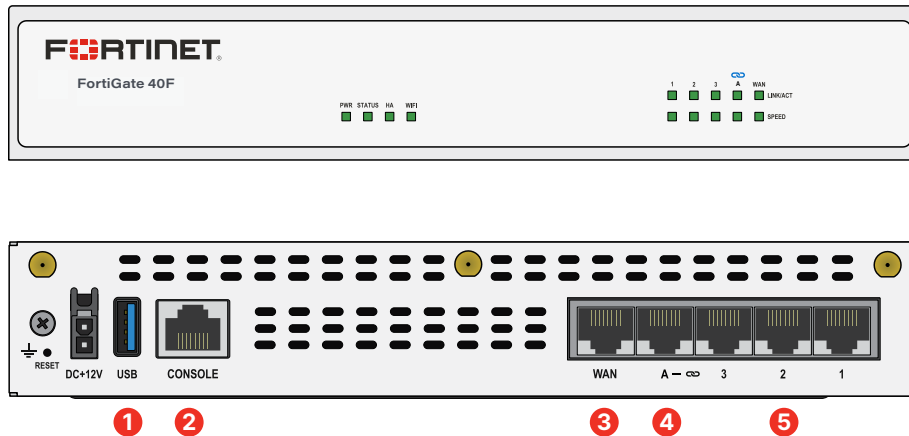


Performance

Performance	40F	60F	100F	200F	600E
SD-WAN	625Mbps	650Mbps	1.5Gbps	6Gpbs	6Gbps
MNS Advanced	225Mbps	310Mbps	510Gbps	2.76Gpbs	4.5Gbps

FortiGate 40F

Hardware



Interfaces

1. 1x USB port
2. 1x Console port
3. 1x GE RJ45 WAN port
4. 1x GE RJ45 FortiLink port
5. 3x GE RJ45 Ethernet ports

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 the best-of-breed NGFW Security and Deep SSL inspection with high performance

3G/4G WAN connectivity

The FortiGate 40F 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's small and lightweight, yet highly reliable with a superior Mean Time Between Failure (MTBF), minimizing the chance of a network disruption.

FortiGate 40F

Specifications

Dimensions and power

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
Weight	2.2 lbs (1 kg)
Form factor (supports EIA/non-EIA standards)	desktop
Input rating	12Vdc, 3A
Power required	powered by external DC Power adapter, 100–240V AC, 50/60 Hz
Power consumption (average / maximum)	13.4 W / 15.4 W
Current (maximum)	100V AC / 0.2A, 240V AC / 0.1A
Heat dissipation	52.55 BTU/h
Redundant power supplies	no

Operating environment and certifications

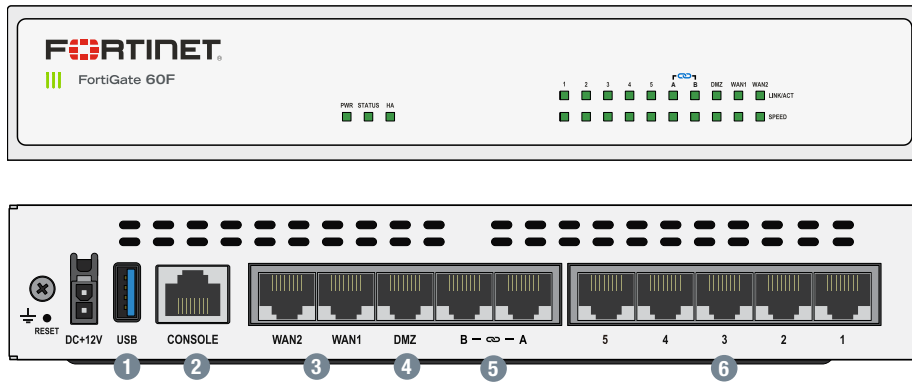
Operating temperature	32–104°F (0–40°C)
Storage temperature	-31–158°F (-35–70°C)
Humidity	10–90% non-condensing
Noise level	fanless 0 dBA
Operating altitude	up to 7400 ft (2250 m)
Compliance	FCC, ICES, CE, RCM, VCCI, BSMI, UL/cUL, CB
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

Order Information

Product	SKU	Description
FortiGate 40F	FG-40F	5 x GE RJ45 ports (including 4 x internal ports, 1 x WAN ports)

FortiGate 60F

Hardware



Interfaces

1. USB port
2. Console port
3. 2x GE RJ45 WAN ports
4. 1x GE RJ45 DMZ port
5. 2x GE RJ45 FortiLink ports
6. 5x GE RJ45 Internal ports

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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

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's small and lightweight, yet highly reliable with superior MTBF, minimizing the chance of a network disruption.

FortiGate 60F

Specifications

Dimensions

Height x width x length (inches)	1.5 x 8.5 x 6.3
Height x width x length (mm)	38 x 216 x 160
Weight	1.9 lbs (0.9 kg)
Form factor	desktop

Operating environment and certifications

Power required	100–240V AC, 50–60 Hz (external DC Power adapter, 12 VDC)
Maximum current	115V AC / 0.2A, 230V AC / 0.1A
Total available PoE power budget*	N/A
Power Consumption (average / maximum)	17.0 W / 18.5 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 Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

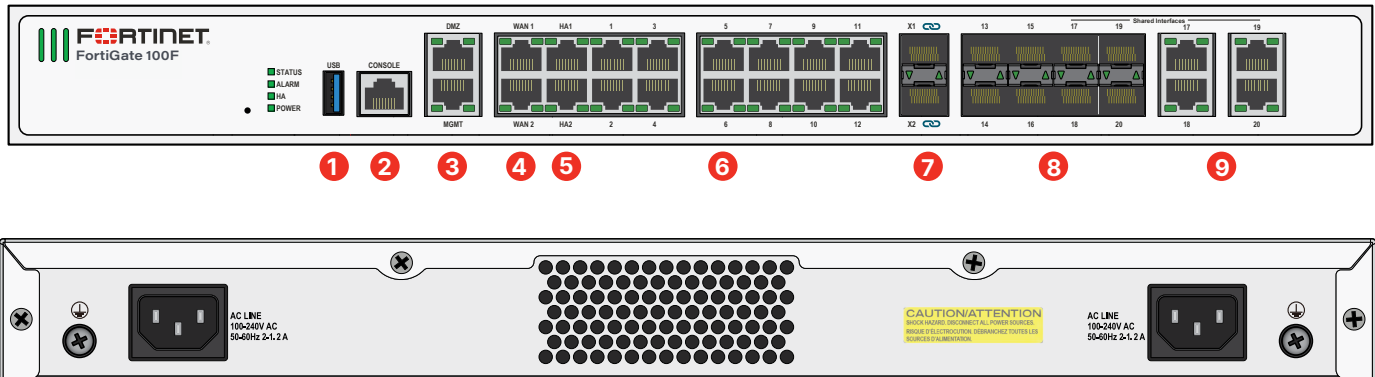
* Maximum loading on each PoE/+ port is 30 W (802.3at).

Order Information

Product	SKU	Description
FortiGate 60F	FG-60F	10x GE RJ45 ports (including 7x Internal ports, 2x WAN ports, 1x DMZ port)

FortiGate 100F

Hardware



Interfaces

- | | |
|------------------------------|--------------------------------------|
| 1. 1x USB port | 6. 12x GE RJ45 ports |
| 2. 1x Console port | 7. 2x 10 GE SFP+ FortiLink slots |
| 3. 2x GE RJ45 MGMT/DMZ ports | 8. 4x GE SFP slots |
| 4. 2x GE RJ45 WAN ports | 9. 4x GE RJ45/SFP shared media pairs |
| 5. 2x GE RJ45 HA ports | |

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

Dual power supplies

Power supply redundancy is essential in the operation of mission-critical networks. The FortiGate 100F offers dual built-in, non-hot swappable power supplies.

FortiGate 100F

Specifications

Dimensions and power

Height x width x length (inches)	1.73 x 17 x 10
Height x width x length (mm)	44 x 432 x 254
Weight	7.25 lbs (3.29 kg)
Form factor (supports EIA/non-EIA standards)	rack mount, 1 RU
AC power supply	100–240V AC, 50/60 Hz
Power consumption (average / maximum)	35.1 W / 38.7 W
Current (maximum)	100V / 1A, 240V / 0.5A
Heat dissipation	119.77 BTU/h
Redundant power supplies	yes

Operating environment and certifications

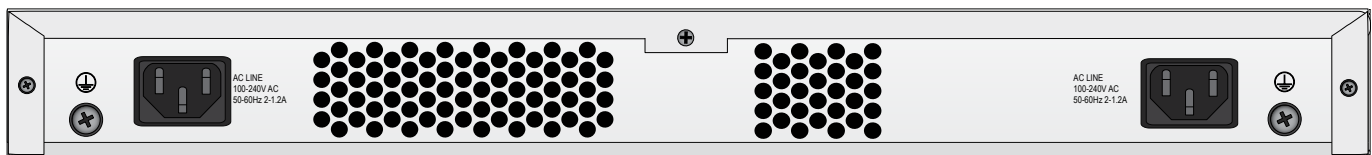
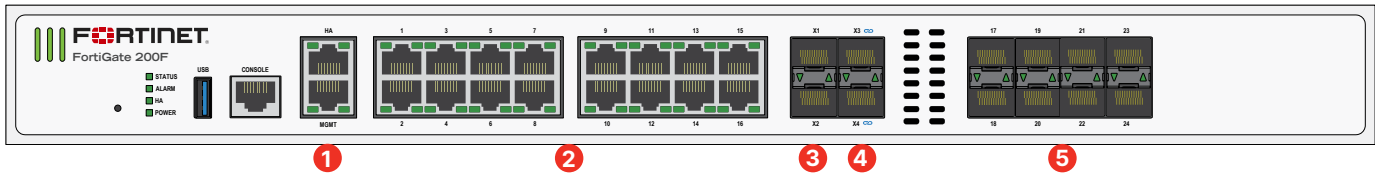
Operating temperature	32–104°F (0–40°C)
Storage temperature	-31–158°F (-35–70°C)
Humidity	10–90% non-condensing
Noise level	40.4 dBA
Forced airflow	side to back
Operating altitude	up to 7400 ft (2250 m)
Compliance	FCC Part 15B, Class A, CE, RCM, VCCI, UL/cUL, CB, BSMI
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; IPv6

Order Information

Product	SKU	Description
FortiGate 100F	FG-100F	22x GE RJ45 ports (including 2x WAN ports, 1x DMZ port, 1x MGMT port, 2x HA ports, 16x switch ports with 4 SFP port shared media)

FortiGate 200F

Hardware



Interfaces

1. 2x GE RJ45 HA / MGMT ports
2. 16x GE RJ45 ports
3. 2x 10 GE SFP+ slots
4. 2x 10 GE SFP+ FortiLink slots
5. 8x GE SFP slots

Network processor

Fortinet's new, breakthrough SPU NP6XLite network processor works inline with FortiOS functions delivering:

Superior firewall performance for IPv4/IPv6, SCTP and multicast traffic with ultra-low latency

VPN, CAPWAP and IP tunnel acceleration

Anomaly-based intrusion prevention, checksum offload, and packet defragmentation

Traffic shaping and priority queuing

Content processor

Fortinet's ninth generation custom SPU CP9 content processor works outside of the direct flow of traffic and accelerates the inspection.

Powered by SPU

Fortinet's custom SPU processors deliver the power you need to detect malicious content at multi-Gigabit speeds

Other security technologies cannot protect against today's wide range of content- and connection-based threats because they rely on general-purpose CPUs, causing a dangerous performance gap

SPU processors provide the performance needed to block emerging threats, meet rigorous third-party certifications, and ensure that your network security solution does not become a network bottleneck

FortiGate 200F

Specifications

Dimensions and power

Height x width x length (inches)	1.73 x 17.01 x 13.47
Height x width x length (mm)	44 x 432 x 342
Weight	9.92 lbs (4.5 kg)
Form factor (supports EIA/non-EIA standards)	ear mount, 1 RU
AC power supply	100–240V AC, 50/60 Hz
Power consumption (average / maximum)	101.92 W / 118.90 W
Current (maximum)	100V / 2A, 240V / 1.2A
Heat dissipation	405.70 BTU/h
Redundant power supplies	yes

Operating environment and certifications

Operating temperature	32–104°F (0–40°C)
Storage temperature	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing
Noise level	49.9 dBA
Forced airflow	side to back
Operating altitude	up to 7400 ft (2250 m)
Compliance	FCC Part 15B, Class A, CE, RCM, VCCI, UL/ cUL, CB, BSMI
Certifications ICSA Labs:	Firewall, IPsec, IPS, Antivirus, SSL-VPN, IPv6

Order Information

Product	SKU	Description
FortiGate 200F	FG-200F	18 x GE RJ45 (including 1 x MGMT port, 1 X HA port, 16 x switch ports)

SD-WAN and security bundles

	SD-WAN	SD-WAN + MNS advanced	SD-WAN + MNS premium
SD-WAN	+	+	+
Application control	+	+	+
Next gen firewall	+	+	+
VPN	+	+	+
Weekly logs and reporting	+	+	+
Web content filtering		+	+
Intrusion prevention system		+	+
SIEM—threat monitoring and log retention			+

Cloud-enabled connectivity, communications and security—guaranteed.

Windstream Enterprise drives business transformation through the convergence of our proprietary software solutions and cloud-optimized network to unlock our clients' revenue and profitability potential. Our managed services streamline operations, enhance productivity and elevate the experience of our clients and their end users while securing their critical data and brand reputation. Analysts certify Windstream Enterprise as a market leader for our product innovation, and clients rely on our unrivaled service guarantees and best-in-class management portal. Businesses trust Windstream Enterprise as their single-source for a high-performance network and award-winning suite of connectivity, collaboration and security solutions—delivered by a team of technology experts whose success is directly tied to our clients' complete satisfaction.

To learn more about Windstream Enterprise, visit windstreamenterprise.com

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