

Overview

The FortiGate 100F series provides an application-centric, scalable, and secure SD-WAN solution with Next Generation Firewall (NGFW) capabilities for mid-sized to large enterprises deployed at the campus or branch level. Protects against cyber threats with system-on-a-chip acceleration and industry-leading secure SD-WAN 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.

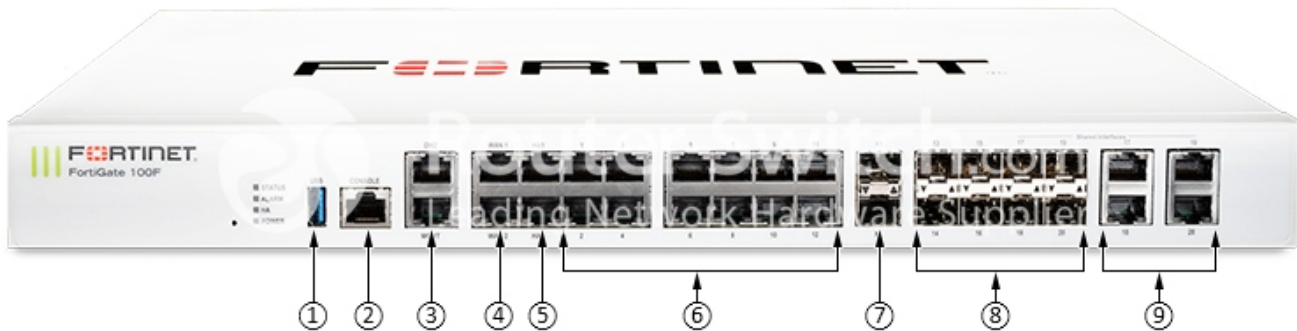
Quick Spec

Table 1 shows the quick spec.

Product Code	FG-100F
Hardware Accelerated GE RJ45 Ports	12
Hardware Accelerated GE RJ45 Management/ HA/ DMZ Ports	1 / 2 / 1
Hardware Accelerated GE SFP Slots	4
Hardware Accelerated 10 GE SFP+ FortiLink Slots (default)	2
GE RJ45 WAN Ports	2
GE RJ45or SFP Shared Ports	4
USB Port	1
Console Port	1
IPS Throughput	2.6 Gbps
NGFW Throughput	1.6 Gbps
Threat Protection Throughput	1 Gbps
Height x Width x Length (inches)	1.73 x 17 x 10
Height x Width x Length (mm)	44 x 432 x 254

Product Details

Figure 1 shows the front view of FG-100F.



Note:

(1)	1x USB Port
(2)	1x Console Port
(3)	2x GE RJ45 MGMT/DMZ Ports
(4)	2x GE RJ45 WAN Port
(5)	2x GE RJ45 HA Ports
(6)	12x GE RJ45 Ports
(7)	2x 10 GE SFP+ FortiLink Slots
(8)	4x GE SFP Slots
(9)	4x GE RJ45/SFP Shared Media Pairs

Figure 2 shows the rear view of FG-100F.



Compare to Similar Item

Table 2 shows the comparison of FG-100F and FG-101F.

Product Code	FG-100F	FG-101F
Onboard Storage	0	1x 480 GB SSD
Included Transceivers	0	0
IPS Throughput	2.6 Gbps	2.6 Gbps
NGFW Throughput	1.6 Gbps	1.6 Gbps
Threat Protection Throughput	1 Gbps	1 Gbps
Height x Width x Length (inches)	1.73 x 17 x 10	1.73 x 17 x 10
Height x Width x Length (mm)	44 x 432 x 254	44 x 432 x 254
Weight	7.25 lbs (3.29 kg)	7.56 lbs (3.43 kg)
Form Factor (supports EIA/non-EIA standards)	Rack Mount, 1 RU	Rack Mount, 1 RU
AC Power Supply	100–240V AC, 50/60 Hz	100–240V AC, 50/60 Hz
Power Consumption (Average / Maximum)	35.1 W / 38.7 W	35.3 W / 39.1 W
Current (Maximum)	100V / 1A, 240V / 0.5A	100V / 1A, 240V / 0.5A
Heat Dissipation	119.77 BTU/h	121.13 BTU/h

Redundant Power Supplies	Yes	Yes
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Related Products

Table 3 shows the bundle models and licenses of FG-100F.

Types	Model	Description
Basic Firewall	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), 4 SFP ports, 2x 10 GE SFP+ FortiLinks, dual power supplies redundancy. Max managed FortiAPs (Total / Tunnel) 64 / 32. Need to buy with License.
1 year bundle	FG-100F-BDL-950-12	FG-100F Hardware plus 1 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-100F & FC-10-F100F-950-02-12)
1 year License	FC-10-F100F-950-02-12	1 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-100F
3 year bundle	FG-100F-BDL-950-36	FG-100F Hardware plus 3 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-100F & FC-10-F100F-950-02-36)
3 year License	FC-10-F100F-950-02-36	3 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-100F
5 year bundle	FG-100F-BDL-950-60	FG-100F Hardware plus 5 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-100F & FC-10-F100F-950-02-60)
5 year License	FC-10-F100F-950-02-60	5 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-100F

Get More Information

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

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

FG-100F Specification	
Interfaces and Modules	
Hardware Accelerated GE RJ45 Ports	12
Hardware Accelerated GE RJ45 Management/ HA/ DMZ Ports	1 / 2 / 1
Hardware Accelerated GE SFP Slots	4
Hardware Accelerated 10 GE SFP+ FortiLink Slots (default)	2
GE RJ45 WAN Ports	2
GE RJ45or SFP Shared Ports *	4
USB Port	1
Console Port	1
Onboard Storage	0
Included Transceivers	0
System Performance — Enterprise Traffic Mix	
IPS Throughput ²	2.6 Gbps

NGFW Throughput ^{2, 4}	1.6 Gbps
Threat Protection Throughput ^{2, 5}	1 Gbps
System Performance and Capacity	
IPv4 Firewall Throughput (1518 / 512 / 64 byte, UDP)	20 / 18 / 10 Gbps
Firewall Latency (64 byte, UDP)	4.97 µs
Firewall Throughput (Packet per Second)	15 Mpps
Concurrent Sessions (TCP)	1.5 Million
New Sessions/Second (TCP)	56,000
Firewall Policies	10,000
IPsec VPN Throughput (512 byte) ¹	11.5 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	2,500
Client-to-Gateway IPsec VPN Tunnels	16,000
SSL-VPN Throughput	1 Gbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	500
SSL Inspection Throughput (IPS, avg. HTTPS) ³	1 Gbps
SSL Inspection CPS (IPS, avg. HTTPS) ³	1,800
SSL Inspection Concurrent Session (IPS, avg. HTTPS) ³	135,000
Application Control Throughput (HTTP 64K) ²	2.2 Gbps
CAPWAP Throughput (HTTP 64K)	15 Gbps
Virtual Domains (Default / Maximum)	10 / 10
Maximum Number of FortiSwitches Supported	32
Maximum Number of FortiAPs (Total / Tunnel)	128 / 64
Maximum Number of FortiTokens	5,000
High Availability Configurations	Active / Active, Active / Passive, Clustering
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

Redundant Power Supplies Yes	
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 7,400 ft (2,250 m)
Compliance	FCC Part 15B, Class A, CE, RCM, VCCI, UL/cUL, CB, BSMI
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN; IPv6
<p>Note: All performance values are “up to” and vary depending on system configuration.</p> <p>1. IPsec VPN performance test uses AES256-SHA256.</p> <p>2. IPS (Enterprise Mix), Application Control, NGFW and Threat Protection are measured with Logging enabled.</p> <p>3. SSL Inspection performance values use an average of HTTPS sessions of different cipher suites.</p> <p>4. NGFW performance is measured with Firewall, IPS and Application Control enabled.</p> <p>5. Threat Protection performance is measured with Firewall, IPS, Application Control and Malware Protection enabled.</p>	


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