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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.

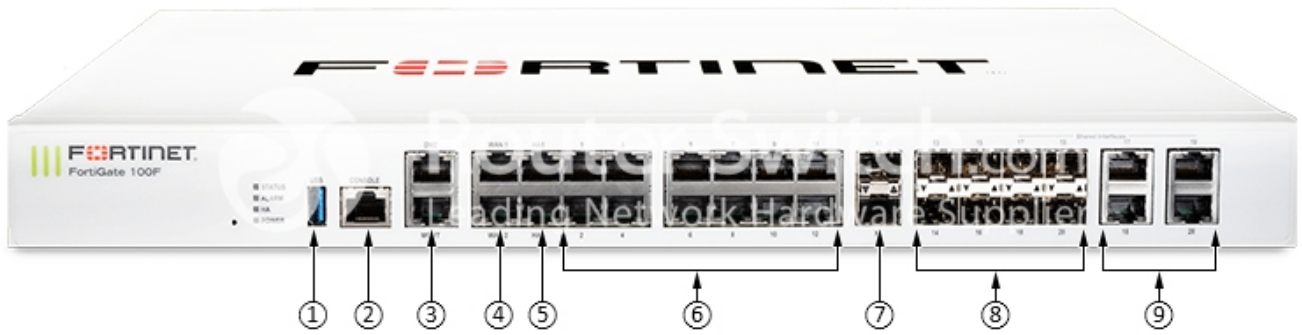
Quick Spec

Table 1 shows the quick spec.

Product Code	FG-101F
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	1x 480 GB SSD
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
Form Factor (supports EIA/non-EIA standards)	Rack Mount, 1 RU

Product Details

Figure 1 shows the front view of FG-101F.



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-101F.



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

Related Products

Table 3 shows the bundle models and licenses of FG-101F.

Types	Model	Description
Basic Firewall	FG-101F	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, 480 GB onboard storage, dual power supplies redundancy. Max managed FortiAPs (Total / Tunnel) 64 / 32. Need to buy with License.
1 year bundle	FG-101F-BDL-950-12	FG-101F Hardware plus 1 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-101F & FC-10-F101F-950-02-12)
1 year License	FC-10-F101F-950-02-12	1 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-101F
3 year bundle	FG-101F-BDL-950-36	FG-101F Hardware plus 3 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-101F & FC-10-F101F-950-02-36)
3 year License	FC-10-F101F-950-02-36	3 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-101F
5 year bundle	FG-101F-BDL-950-60	FG-101F Hardware plus 5 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-101F & FC-10-F101F-950-02-60)
5 year License	FC-10-F101F-950-02-60	5 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-101F

Get More Information

Do you have any question about the FG-101F?

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

Specification

FG-101F 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	1x 480 GB SSD
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	7.56 lbs (3.43 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)	35.3 W / 39.1 W
Current (Maximum)	100V / 1A, 240V / 0.5A
Heat Dissipation	121.13 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> <ol style="list-style-type: none"> 1. IPsec VPN performance test uses AES256-SHA256. 2. IPS (Enterprise Mix), Application Control, NGFW and Threat Protection are measured with Logging enabled. 3. SSL Inspection performance values use an average of HTTPS sessions of different cipher suites. 4. NGFW performance is measured with Firewall, IPS and Application Control enabled. 5. Threat Protection performance is measured with Firewall, IPS, Application Control and Malware Protection enabled. 	

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