

FG-60F Datasheet



Overview

The [FortiGate 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 SD-WAN in a simple, affordable, and easy to deploy solution.

Quick Spec

Table 1 shows the quick spec.

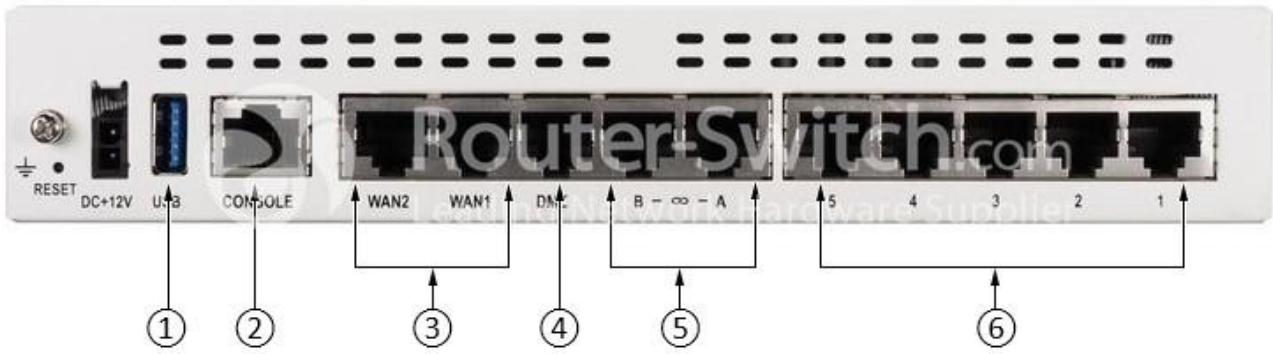
Product Code	FG-60F
GE RJ45 WAN / DMZ Ports	2 / 1
GE RJ45 Internal Ports	5
GE RJ45 FortiLink Ports (Default)	2
Wireless Interface	-
USB Ports	1
Console (RJ45)	1
Internal Storage	-
IPS Throughput	1.4 Gbps
NGFW Throughput	1 Gbps
Threat Protection Throughput	700 Mbps
Height x Width x Length (inches)	1.5 x 8.5 x 6.3
Height x Width x Length (mm)	38.5 x 216 x 160 mm
Form Factor	Desktop

Product Details

Figure 1 shows the front view of FG-60F.



Figure 2 shows the rear view of FG-60F.



Note:

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

Specification

FG-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
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	
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)	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 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
<p>Note: All performance values are “up to” and vary depending on system configuration.</p> <ol style="list-style-type: none"> IPsec VPN performance test uses AES256-SHA256. IPS (Enterprise Mix), Application Control, NGFW and Threat Protection are measured with Logging enabled. SSL Inspection performance values use an average of HTTPS sessions of different cipher suites. NGFW performance is measured with Firewall, IPS and Application Control enabled. Threat Protection performance is measured with Firewall, IPS, Application Control and Malware Protection enabled. 	

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- Tel: +86 13682695924
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