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Overview

FG-51E is the Fortinet NGFW Entry-level Series FortiGate 51E firewall. The FortiGate 50E series offers an excellent Security and SD-WAN solution in a compact fanless desktop form factor for enterprise branch offices and mid-sized businesses.

Quick Spec

Table 1 shows the quick spec.

SKU	FG-51E
Firewall	2.5 Gbps
IPS	350 Mbps
NGFW	220 Mbps
Threat Protection	160 Mbps
Interfaces	7x GE RJ45 ports (including 2x WAN ports, 5x Switch ports)

Product Details

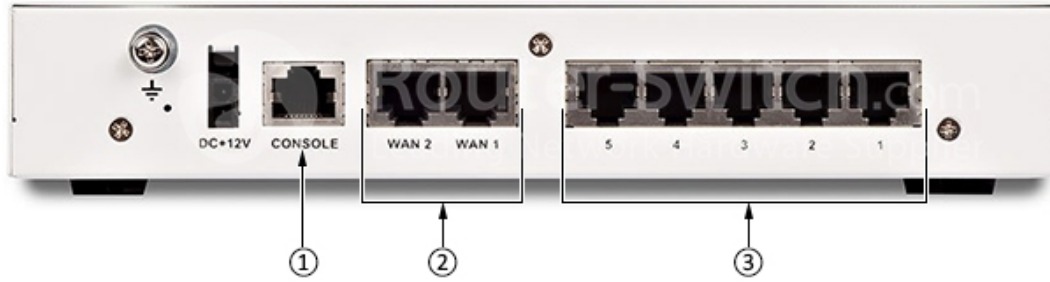
Figure 1 shows the front view of FG-50E. FG-51E is similar with it.



Note:

(1)	USB Port
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Figure 2 shows the rear view of FG-50E. FG-51E is similar with it.



Note:

(1)	Console RJ45
(2)	2x GE RJ45 WAN Ports
(3)	5x Switch Ports

Related Products

Table 2 shows the bundle models and licenses of FG-51E.

Types	Model	Description
Basic Firewall	FG-51E	Fortinet FG-51E 7 x GE RJ45 ports (Including 2 x WAN port, 5 x Switch ports), 32GB SSD onboard storage, Max managed FortiAPs (Total / Tunnel) 10 / 5
1 year bundle	FG-51E-BDL-950-12	FG-51E Hardware plus 1 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-51E & FC-10-0051E-950-02-12)
1 year License	FC-10-0051E-950-02-12	1 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-51E
3 year bundle	FG-51E-BDL-950-36	FG-51E Hardware plus 3 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-51E & FC-10-0051E-950-02-36)
3 year License	FC-10-0051E-950-02-36	3 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-51E
5 year bundle	FG-51E-BDL-950-60	FG-51E Hardware plus 5 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-51E & FC-10-0051E-950-02-60)
5 year License	FC-10-0051E-950-02-60	5 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-51E

Compare to Similar Item

Table 3 shows the comparison of FG-50E and FG-51E.

SKU	FG-50E	FG-51E
Firewall	2.5 Gbps	2.5 Gbps
IPS	350 Mbps	350 Mbps
NGFW	220 Mbps	220 Mbps
Threat Protection	160 Mbps	160 Mbps
Interfaces	7x GE RJ45 ports (including 2x WAN ports, 5x Switch ports)	7x GE RJ45 ports (including 2x WAN ports, 5x Switch ports)

Internal Storage	N/A	1x 32 GB SSD
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Get More Information

Do you have any question about the FG-51E?

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

Specification

FG-51E Specification	
Type	FORTIGATE 51E
Hardware Specifications	
GE RJ45 Switch Ports	5
GE RJ45 WAN Ports	2
USB Ports	1
Console (RJ45)	1
Wireless Interface	-
Internal Storage	1x 32 GB SSD
System Performance and Capacity	
Firewall Throughput	2.5 Gbps
Firewall Latency (64 byte UDP Packets)	180 μ s
Firewall Throughput (Packet per Second)	375 Kpps
Concurrent Sessions (TCP)	1.8 Million
New Sessions/Second (TCP)	21,000
Firewall Policies	5,000
IPsec VPN Throughput (512 byte)	90 Mbps
Gateway-to-Gateway IPsec VPN Tunnels	200
Client-to-Gateway IPsec VPN Tunnels	250
SSL-VPN Throughput	100 Mbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	200
SSL Inspection Throughput (IPS, avg. HTTPS)	150 Mbps
SSL Inspection CPS (IPS, avg. HTTPS)	140
SSL Inspection Concurrent Session (IPS, avg. HTTPS)	75,000
Application Control Throughput (HTTP 64K)	450 Mbps
CAPWAP Throughput (HTTP 64K)	1.2 Gbps
Virtual Domains (Default / Maximum)	5 / 5

Maximum Number of FortiSwitches Supported	8
Maximum Number of FortiAPs (Total / Tunnel Mode)	10 / 5
Maximum Number of FortiTokens	500
Maximum Number of Registered FortiClients	200
High Availability Configurations	Active/Active, Active/Passive, Clustering
System Performance	
IPS Throughput	350 Mbps
NGFW Throughput	220 Mbps
Threat Protection Throughput	160 Mbps
Dimensions and Power	
Height x Width x Length	1.44 x 8.52 x 5.5 inches 36.5 x 216 x 140 mm
Form Factor	Desktop
Power Required	100–240V AC, 60–50 Hz (External DC Power Adapter)
Maximum Current	100 V / 0.6 A, 240 V / 0.4 A
Power Consumption (Average / Maximum)	16 / 20 W
Heat Dissipation	67 BTU/h
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 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

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