

Overview

FG-81E is the Fortinet NGFW Entry-level Series FortiGate 81E firewall. The FortiGate 81E series offers an excellent Security and SD-WAN solution in a compact fanless desktop form factor for enterprise branch offices and mid-sized businesses.

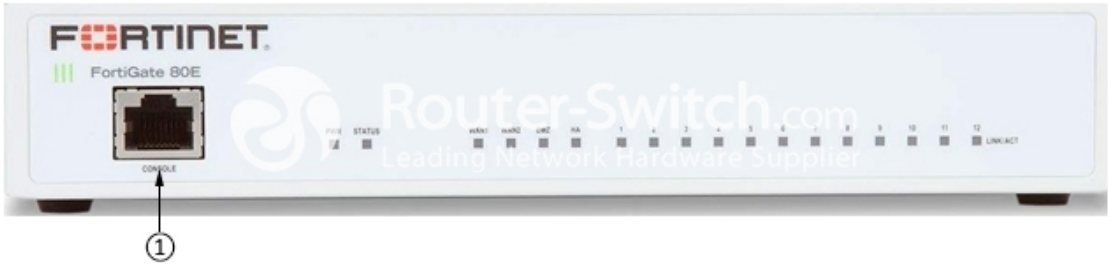
Quick Spec

Table 1 shows the quick spec.

SKU	FG-81E
Firewall	4 Gbps
IPS	450 Mbps
NGFW	360 Mbps
Threat Protection	250 Mbps
Interfaces	14x GE RJ45 ports (including 1x DMZ port, 1x Mgmt port, 1x HA port, 12x switch ports), 2x Shared Media pairs (including 2x GE RJ45 ports, 2x SFP slots)

Product Details

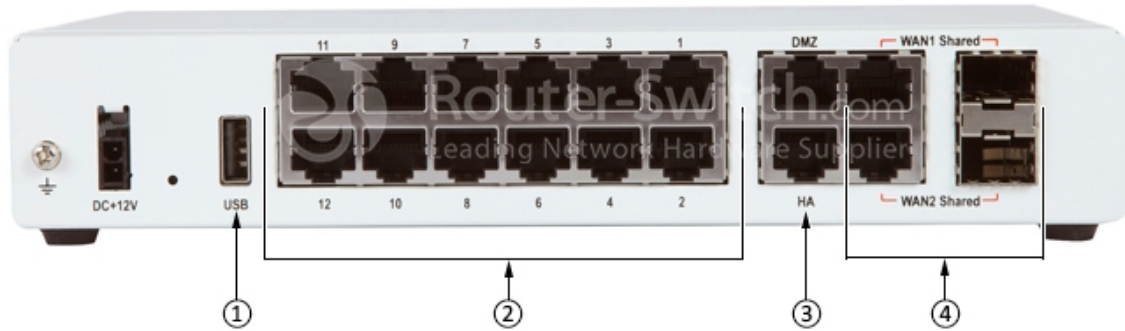
Figure 1 shows the front view of FG-80E. FG-81E is similar with it.



Note:

(1)	Console Port
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Figure 2 shows the rear view of FG-80E. FG-81E is similar with it.



Note:

(1)	USB Port
(2)	12x GE RJ45 Ports
(3)	2x GE RJ45 DMZ/HA Ports
(4)	2x GE RJ45/SFP Shared Media Pairs

Related Products

Table 2 shows the bundle models and licenses of FG-81E.

Types	Model	Description
Basic Firewall	FG-81E	14 x GE RJ45 ports (including 1 x DMZ port, 1 x Mgmt port, 1 x HA port, 12 x switch ports), 2 x Shared Media pairs (Including 2 x GE RJ45 ports, 2 x SFP slots). 128GB onboard storage. Max managed FortiAPs (Total/Tunnel) 32/16
1 year bundle	FG-81E-BDL-950-12	FG-81E Hardware plus 1 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-81E & FC-10-00E81-950-02-12)
1 year License	FC-10-00E81-950-02-12	1 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-81E
3 year bundle	FG-81E-BDL-950-36	FG-81E Hardware plus 3 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-81E & FC-10-00E81-950-02-36)
3 year License	FC-10-00E81-950-02-36	3 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-81E
5 year bundle	FG-81E-BDL-950-60	FG-81E Hardware plus 5 Year 24*7 FortiCare and FortiGuard Unified (UTM) Protection(FG-81E & FC-10-00E81-950-02-60)
5 year License	FC-10-00E81-950-02-60	5 year Unified (UTM) Protection (24x7 FortiCare plus Application Control, IPS, AV, Web Filtering and Antispam, FortiSandbox Cloud) of FG-81E

Compare to Similar Item

Table 3 shows the comparison of FG-80E and FG-81E.

SKU	FG-80E	FG-81E
Firewall	4 Gbps	4 Gbps
IPS	450 Mbps	450 Mbps
NGFW	360 Mbps	360 Mbps
Threat Protection	250 Mbps	250 Mbps

Interfaces	14x GE RJ45 ports (including 1x DMZ port, 1x Mgmt port, 1x HA port, 12x switch ports), 2x Shared Media pairs (including 2x GE RJ45 ports, 2x SFP slots)	14x GE RJ45 ports (including 1x DMZ port, 1x Mgmt port, 1x HA port, 12x switch ports), 2x Shared Media pairs (including 2x GE RJ45 ports, 2x SFP slots)
Internal Storage	-	1x 128 GB SSD

Get More Information

Do you have any question about the FG-81E?

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Specification

FG-81E Specification	
Type	FORTIGATE 81E
Hardware Specifications	
GE RJ45/SFP Shared Media Pairs	2
GE RJ45 Ports	12
GE RJ45 PoE/+ Ports	-
GE RJ45 DMZ/HA Ports	2
USB Ports	1
Console (RJ45)	1
Internal Storage	1x 128 GB SSD
System Performance and Capacity	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	4 / 4 / 4 Gbps
Firewall Latency (64 byte UDP Packets)	3 μs
Firewall Throughput (Packet per Second)	6 Mpps
Concurrent Sessions (TCP)	1.3 Million
New Sessions/Second (TCP)	30,000
Firewall Policies	5,000
IPsec VPN Throughput (512 byte)	2.5 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	200
Client-to-Gateway IPsec VPN Tunnels	2,500
SSL-VPN Throughput	200 Mbps
Concurrent SSL-VPN Users (Recommended Maximum, Tunnel Mode)	200
SSL Inspection Throughput (IPS, avg. HTTPS)	135 Mbps
SSL Inspection CPS (IPS, avg. HTTPS)	135
SSL Inspection Concurrent Session (IPS, avg. HTTPS)	95,000

Application Control Throughput (HTTP 64K)	900 Mbps
CAPWAP Throughput (HTTP 64K)	920 Mbps
Virtual Domains (Default / Maximum)	10 / 10
Maximum Number of Switches Supported	8
Maximum Number of FortiAPs (Total / Tunnel Mode)	32 / 16
Maximum Number of FortiTokens	500
Maximum Number of Registered FortiClients	200
High Availability Configurations	Active / Active, Active / Passive, Clustering
System Performance	
IPS Throughput	450 Mbps
NGFW Throughput	360 Mbps
Threat Protection Throughput	250 Mbps
Dimensions and Power	
Height x Width x Length	1.65 x 8.5 x 7 inches 42 x 216 x 178 mm
Form Factor	Desktop
Power Required	100–240V AC, 50–60 Hz
Power Consumption (Average / Maximum)	20 W / 72 W
Current (Maximum)	100V AC / 0.7A, 240V AC / 0.3A
Heat Dissipation	245.67 BTH/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 16,404 ft (5,000 m)
Compliance	FCC Part 15B, Class B, CE, RCM, VCCI, UL/cUL, CB, BSMI
Certifications	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

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