

# FortiGate-81E Hardware plus 1 Year 24x7 FortiCare and FortiGuard Unified (UTM) Protection

PRD-202607-0023 · Fortinet · Specification Sheet

Brand	Fortinet
Model / MPN	FG-81E-BDL-950-12
Reference price	MYR 6,199.00 (reference only)

## Specifications:

	FortiGate 81E-POE
<b>Hardware Specifications</b>	
GE RJ45/SFP Shared Media Pairs	2
GE RJ45 PoE/+ Ports	12
GE RJ45 DMZ/HA Ports	2
USB Ports	1
Console (RJ45)	1
Internal Storage	128 GB
<b>System Performance</b>	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	4 / 4 / 4 Gbps
Firewall Latency (64 byte UDP packets)	3 ?s
Firewall Throughput (Packets 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 packets)	2.5 Gbps
Gateway-to-Gateway IPsec VPN Tunnels	200
Client-to-Gateway IPsec VPN Tunnels	1,000
SSL-VPN Throughput	200 Mbps
Concurrent SSL-VPN Users (Recommended Maximum)	200
IPS Throughput (HTTP / Enterprise Mix) 1	1.5 Gbps / 450 Mbps
SSL Inspection Throughput 2	350 Mbps
Application Control Throughput 3	800 Mbps
NGFW Throughput 4	360 Mbps
Threat Protection Throughput 5	250 Mbps
CAPWAP Throughput 6	2.2 Gbps
Virtual Domains (Default / Maximum)	10 / 10
Maximum Number of FortiAPs (Total / Tunnel Mode)	32 / 16
Maximum Number of FortiTokens	100
Maximum Number of Registered FortiClients	200
High Availability Configurations	Active / Active, Active / Passive, Clustering
<b>Dimensions</b>	
Height x Width x Length (inches)	1.65 x 8.5 x 7
Height x Width x Length (mm)	42 x 216 x 178

<b>Weight</b>	2.65 lbs (1.2 kg)
<b>Form Factor</b>	Desktop
<b>Environment</b>	
<b>Power Required</b>	100–240V AC, 50–60 Hz
<b>Maximum Current</b>	115V AC / 1.2A, 230V AC / 0.6A
<b>Total Available PoE Power Budget*</b>	110 W
<b>Power Consumption (Average / Maximum)</b>	20 / 137 W
<b>Heat Dissipation</b>	467.5 BTU/h
<b>Operating Temperature</b>	32–104°F (0–40°C)
<b>Storage Temperature</b>	-31–158°F (-35–70°C)
<b>Humidity</b>	20–90% non-condensing
<b>Operating Altitude</b>	Up to 16,404 ft (5,000 m)
<b>Compliance</b>	
<b>Safety</b>	FCC Part 15B, Class B, CE, RCM, VCCI, UL/cUL, CB, BSMI
<b>Certifications</b>	
	ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN

Generated by Ryzen ERP from imported product data · 2026-07-06 · Internal specification sheet — verify critical figures against the manufacturer datasheet.