# Overview

The Fortinet Enterprise Firewall Solution

The Fortinet Enterprise Firewall Solution delivers end-to-end network security with one platform, one network security operating system and unified policy management with a single pane of glass — for the industry's best protection against the most advanced security threats and targeted attacks.

Highlights

Firewall	IPS	NGFW	Threat Protection	Interfaces
4 Gbps	450 Mbps	360 Mbps	250 Mbps	Multiple GE RJ45

Hardware
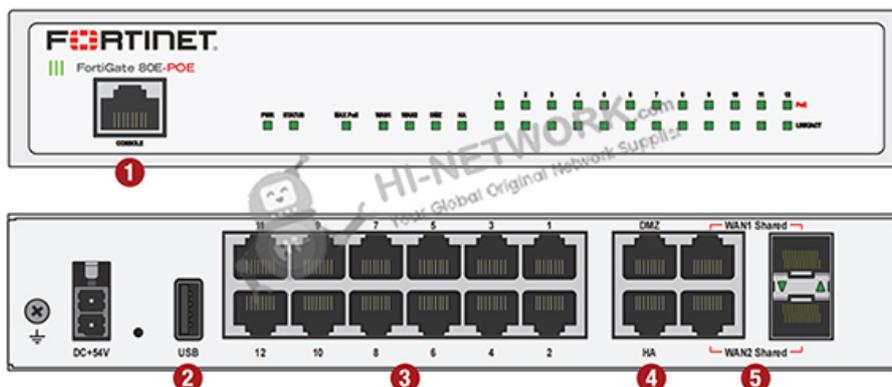
Interfaces

(1)	Console Port	(4)	2x GE RJ45 DMZ/HA Ports	
(2)	USB Port	(5)	2x GE RJ45/SFP Shared Media Pairs	
(3)	12x GE RJ45 Ports			

Hardware Features

Powered by FortiASIC SoC3

Combines a RISC-based CPU with Fortinet's proprietary Security Processing Unit (SPU) content and network processors for unmatched performance

Simplifies appliance design and enables breakthrough performance for smaller networks

Supports firewall acceleration across all packet sizes for maximum throughput

Delivers accelerated UTM content processing for superior performance and protection

Accelerates VPN performance for high speed, secure remote access

3G/4G WAN Extensions

The FortiGate 80E Series includes a USB port that allows you to plug in a compatible third-party 3G/4G USB modem, providing additional WAN connectivity or a redundant link for maximum reliability.

Compact and Reliable Form Factor

Designed for small environments, you can place it on a desktop or wall-mount it. It is small, lightweight yet highly reliable with superior MTBF (Mean Time Between Failure), minimizing the chance of a network disruption.

Software

FortiOS

Control all the security and networking capabilities across the entire FortiGate platform with one intuitive operating system. Reduce operating expenses and save time with a truly consolidated next generation security platform.

● A truly consolidated platform with one OS for all security and networking services for all FortiGate platforms.

● Industry-leading protection: NSS Labs Recommended, VB100, AV Comparatives and ICSA validated security and performance.

● Control thousands of applications, block the latest exploits, and filter web traffic based on millions of real-time URL ratings.

● Detect, contain and block advanced attacks automatically in minutes with integrated advanced threat protection framework.

● Solve your networking needs with extensive routing, switching, WiFi, LAN and WAN capabilities.

● Activate all the ASIC-boosted capabilities you need on the fastest firewall platform available.

Enterprise Bundle

FortiGuard Labs delivers a number of security intelligence services to augment the FortiGate firewall platform. You can easily optimize the protection capabilities of your FortiGate with the FortiGuard Enterprise Bundle. This bundle contains the full set of FortiGuard security services plus FortiCare service and support offering the most flexibility and broadest range of protection all in one package.

Services

FortiGuard Security Services

FortiGuard Labs offers real-time intelligence on the threat landscape, delivering comprehensive security updates across the full range of Fortinet's solutions. Comprised of security threat researchers, engineers, and forensic specialists, the team collaborates with the world's leading threat monitoring organizations, other network and security vendors, as well as law enforcement agencies:

● Real-time Updates — 24x7x365 Global Operations research security intelligence, distributed via Fortinet Distributed Network to all Fortinet platforms.

● Security Research — FortiGuard Labs have discovered over 170 unique zero-day vulnerabilities to date, totaling millions of automated signature updates monthly

● Validated Security Intelligence — Based on FortiGuard intelligence, Fortinet's network security platform is tested and validated by the world's leading third-party testing labs and customers globally.

FortiCare Support Services

Our FortiCare customer support team provides global technical support for all Fortinet products. With support staff in the Americas, Europe, Middle East and Asia, FortiCare offers services to meet the needs of enterprises of all sizes:

● Enhanced Support — For customers who need support during local business hours only.

● Comprehensive Support — For customers who need around- the-clock mission critical support, including advanced exchange hardware replacement.

● Advanced Services — For global or regional customers who need an assigned Technical Account Manager, enhanced service level agreements, extended software support, priority escalation, on-site visits and more.

● Professional Services — For customers with more complex security implementations that require architecture and design services, implementation and deployment services, operational services and more.

Get More Information

Do you have any question about the FG-80E?

Contact us now via info@hi-network.com.

Specification

FortiGate 80E Specification	
Hardware Specifications	
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	-
System Performance	
Firewall Throughput (1518 / 512 / 64 byte UDP packets)	4 / 4 / 4 Gbps
Firewall Latency (64 byte UDP packets)	3 µs
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
Dimensions	
Height x Width x Length (inches)	1.65 x 8.5 x 7
Height x Width x Length (mm)	42 x 216 x 178
Weight	2.65 lbs (1.2 kg)
Form Factor	Desktop
Environment	
Power Required	100–240V AC, 50–60 Hz
Maximum Current	115V AC / 1.2A, 230V AC / 0.6A
Power Consumption (Average / Maximum)	20 / 137 W
Heat Dissipation	467.5 BTU/h
Operating Temperature	32–104°F (0–40°C)
Storage Temperature	-31–158°F (-35–70°C)
Humidity	20–90% non-condensing
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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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

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