



## Gateway6 8mG 2SFP+ Cloud-managed VPN Firewall with 8x 2.5-Gigabit (4 PoE+) Ethernet ports and two SFP+ slots

### Overview

EnGenius ESG620 Cloud-managed VPN Firewall provides a high-performance network solution with advanced features, including load balancing, dual-WAN, and site-to-site VPN. The product offers unified management through EnGenius Cloud, allowing for easy configuration and management from anywhere. It delivers an end-to-end solution for optimized business network performance and security.



### Features & Benefits

- Empower businesses with simple, unified cloud management and intuitive device visibility from anywhere
- 2.5GE / one SFP+ WAN and 7x 2.5GE/ one SFP+ LAN for maximum performance
- Quad-core 2.2 GHz processor for greater speed and power
- Built-in load balancing and safeguards with dual-WAN and cellular failover
- 4 x 2.5 GbE PoE+ to power up multiple Wi-Fi 6E AP, IP camera or IP phone
- Stateful firewall with high-efficiency filtering and inspection
- High-speed and secure site-to-site VPN and client VPN
- Self-healing VPN and VLAN setup for rapid, simplified deployment
- Touchless system maintenance and automatic updates
- Multiple passthrough and routing options
- Captive portal with external RADIUS capabilities
- Integrated Cloudbrink service to offer ZTNA solution
- High Availability (HA) with automatic failover
- Built-in IDS/IPS for real-time threat detection and proactive attack prevention

# Technical Specifications

## General

### CPU Processor

Quad Core

### Operating Frequency

2.2GHz

### Memory

8GB (v1)

4GB (v2)

### Flash Storage

16GB

### RJ-45 Interface

8x2.5G

### SFP interface

2 x SFP+

### PoE ports

4

### PoE Standard

802.3 af/at

### Total PoE Budget

120W

### I/O Interfaces

1 x RJ-45 console/1 x USB 3.0

### Mounting Method

Rack mount

### Security

TPM

## Performance & Capacity

### Firewall (SPI Throughput)

6.8G\*

### VPN Throughput

1.5G\*

### Max. Concurrent VPN Tunnels

300\*

### Max. Concurrent VPN Users

380\*

### Max. TCP/NAT Concurrent Sessions

1,250,000 (v1)

1,000,000 (v2)

### Max VLAN

160\*

### IPS Throughput

1.2G\*

## Firewall

### Firewall Features

Stateful Packet Inspection

Policy Rules

Port Forwarding

1:1 NAT

Allow Inbound Services

Layer 7 Application Firewall

## VPN

### Site-to-Site VPN

Mesh VPN/ Hub-and-Spoke

### Encryption

3DES, AES (256/192/128-bit)

### Authentication

MD5, SHA1, SHA2 (256-bit)

### Key Management

IKEv1 (x-auth, mode-config),

IKEv2 (EAP, configuration payload)

### VPN Features

Site-to-Site VPN

Client VPN(IPsec/SecuPoint SSL)

Policy-based VPN

IPSec NAT traversal (NAT-T)

Dead Peer Detection (DPD)

Auto-VPN Connection

Auto NAT traversal

## Networking

### Operation mode

Routed / Passthrough

### Multiple WANs

Dual

### Bandwidth Limit

Per client/ Per Interface

### Traffic Load Balancing

WAN load balancing with WRR

### Networking Features

Static Route

Multiple WANs

USB Cellular

User Authentication

PPPoE

VLAN Tagging

Captive Portal

Custom Splash Page

Dynamic Routing

Bandwidth Limit

Traffic Load Balancing

DHCP client/server/relay

Dynamic DNS support

Policy Based Routing

Application Bandwidth Control

High Availability

### Security Service

CloudBrink

IDS/IPS

## Environmental & Physical

### Power

internal 300w power

### Operation Temperature

0°C to 40°C

### Humidity (non-condensing)

5 to 95% non-condensing

## Dimensions & Weight

### Device Dimensions & Weights

Weight: 5.82 lbs. (2.64k g)

Length: 13" (330 mm)

Width: 9.06" (230 mm)

Height: 1.73" (44 mm)

# Technical Specifications

## Package Contents

Power cord  
RJ-45 Console Cable  
Rack Mount Kit  
Product Card

## Compliance

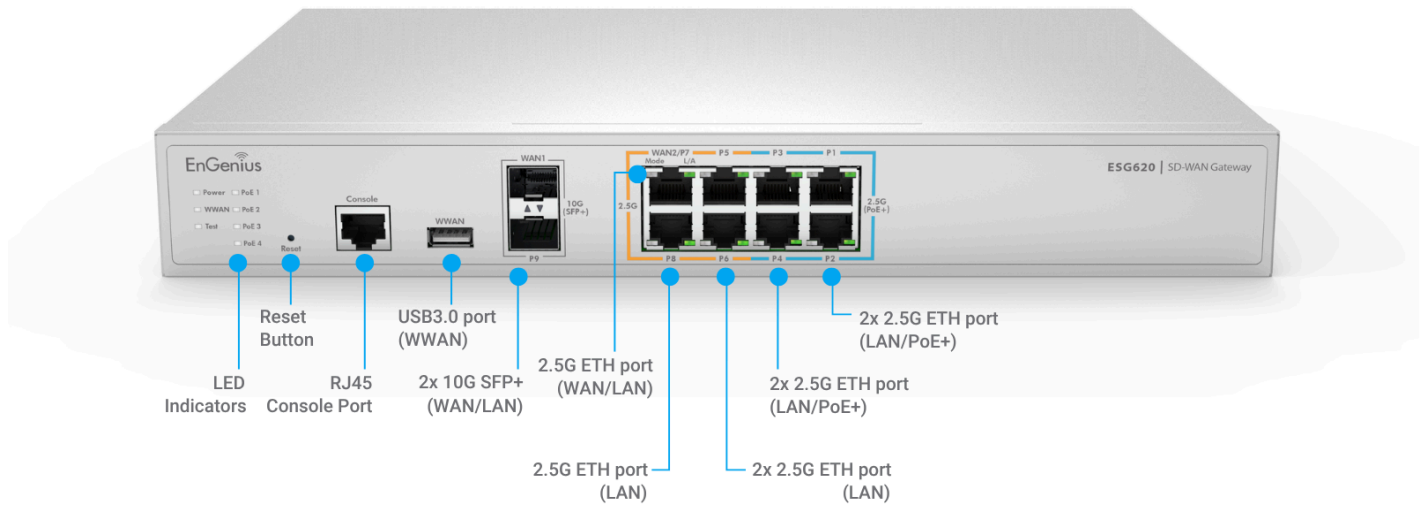
## Regulatory Compliance

FCC Part 15 (Class B)  
IC  
CE EMC  
CB  
UL

---

\*Note: Performance figures are estimates for reference only. Actual throughput may vary depending on network conditions, encryption settings, traffic patterns, and concurrent sessions.

# Hardware Overview



Features and specifications subject to change without notice. Trademarks and registered trademarks are the property of their respective owners. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense. Prior to installing any surveillance equipment, it is your responsibility to ensure the installation is in compliance with local, state and federal video and audio surveillance and privacy laws.

