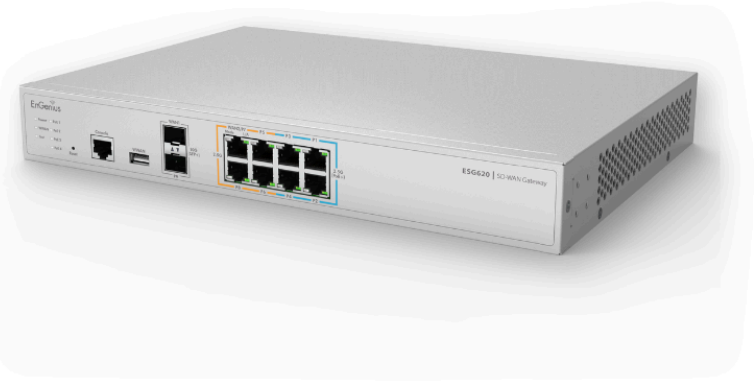
ESG620

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
4GB

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

Perfomance & Capacity

Firewall (SPI Throughput)
9.5G*

VPN Throughput
1.7G*

Max. Concurrent VPN Tunnels
300*

Max. Concurrent VPN Users
380*

Max. TCP/NAT Concurrent Sessions
1,000,000

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 Managment
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

Technical Specifications

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)

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