

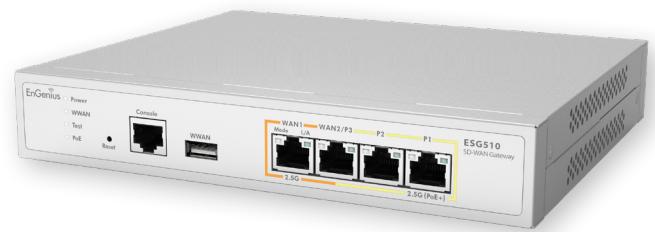


## Gateway5 4mG

# Cloud-managed VPN Router with 4 x 2.5-Gigabit (1x PoE+) Ethernet ports

### Overview

EnGenius ESG510 Cloud-managed VPN Router 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 offers a comprehensive end-to-end solution for businesses seeking to enhance their network performance and security.



### Features & Benefits

- Simple, unified cloud management for any size business
- Intuitive and centralized device visibility from anywhere
- Dual 2.5GE WAN and Dual 2.5GE LAN for maximum performance
- Quad-core 1.6 GHz processor for greater speed and power
- Built-in load balancing and safeguards with dual-WAN and cellular failover
- 2.5 GbE PoE+ to power up a Wi-Fi 6E AP, IP camera or IP phone
- Stateful firewall with high-efficiency filtering and inspection to enhance security
- High-speed and secure site-to-site VPN and client VPN
- Quick self-healing VPN and VLAN setup for faster and easier deployments
- Touchless system maintenance and automatic updates
- Multiple passthrough and routing options
- Captive portal with external radius capabilities

# Technical Specifications

## Technical Specifications

### CPU Processor

Quad Core

### Operating Frequency

1.6GHz

### Memory

4GB

### Flash Storage

8GB

### RJ-45 Interface

4x2.5G

### PoE ports

1

### PoE Standard

802.3 af/at

### I/O Interfaces

1 x RJ-45 console/1 x USB 3.0

### Mounting Method

Wall mount

### Security

TPM

## Performance & Capacity

### Firewall (SPI throughput)

4G

### VPN throughput

970M

### Max. Concurrent VPN Tunnels

200

### Max. Concurrent VPN Users

250

### Max. TCP Concurrent Sessions

1,000,000

### Max VLAN

96

## Firewall

### Firewall Features

Stateful Packet Inspection

Policy Rules

Port Forwarding

1:1 NAT

Allow Inbound Services

## 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

Bandwidth Limit

Traffic Load Balancing

DHCP client/server/relay

Dynamic DNS support

Policy Based Routing

# Technical Specifications

## Environmental & Physical

### Power

54V/1.2A

### Operation Temperature

0°C to 40°C

### Humidity (non-condensing)

5 to 95% non-condensing

## Dimensions & Weight

### Dimensions

Width: 210mm

Length: 179.5mm

Height: 35mm

### Package Contents

Power adapter

Power cord

RJ-45 Console Cable

Wall Mount Kit

Product Card

## Compliance

### Regulatory Compliance

FCC Part 15 (Class B)

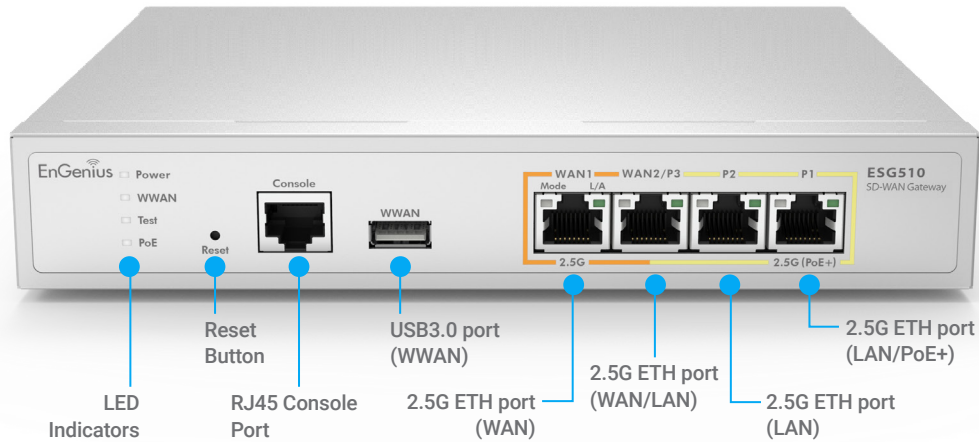
IC

CE EMC

CB

UL

## Hardware Overviews



### EnGenius Technologies | Costa Mesa, California, USA

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact: (+1) 714 432 8668

### EnGenius Networks Singapore Pte Ltd. | Singapore

Email: [techsupport@engeniustech.com.sg](mailto:techsupport@engeniustech.com.sg)  
Website: [www.engeniustech.com/apac](http://www.engeniustech.com/apac)  
Local contact: (+65) 6227 1088

### EnGenius Technologies Canada | Ontario, Canada

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com](http://www.engeniustech.com)  
Local contact: (+1) 905 940 8181

### EnGenius Networks Dubai | Dubai, UAE

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com/apac](http://www.engeniustech.com/apac)  
Local contact: (+971) 4 339 1227

### EnGenius Networks Europe B.V. | Eindhoven, Netherlands

Email: [support@engeniustech.com](mailto:support@engeniustech.com)  
Website: [www.engeniustech.com/eu](http://www.engeniustech.com/eu)  
Local contact: (+31) 40 8200 887

### 恩碩科技股份有限公司 | Taiwan, R.O.C.

Email: [sales@engeniustech.com.tw](mailto:sales@engeniustech.com.tw)  
Website: [www.engeniustech.com/tw](http://www.engeniustech.com/tw)  
Local contact: (+886) 933 250 628

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.

Version 1.5 07192024

EnGenius®