## Gateway5 4mG

Cloud SD-WAN Gateway with 4 x 2.5-Gigabit (1x PoE+) Ethernet ports

Overview

EnGenius ESG510 SD-WAN gateway 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 solutionfor businesses seeking to enhance their network performance and security.
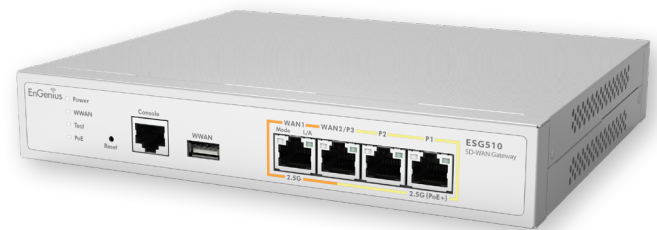
Features & Benefits

- Simple, unified cloud management for any size business

- Intuitive and centralized device visibility from anywhere

- Dual 2.5 GbE WAN and Dual 2.5 GbE 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

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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

Perfomance & 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
DES, 3DES, AES (256-bit)

Authentication
MD5, SHA1, SHA2 (512-bit)

Key Managment
IKEv1 (x-auth, mode-config)
IKEv2 (EAP, configuration payload)

VPN Features
Site-to-Site VPN
Client VPN
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

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

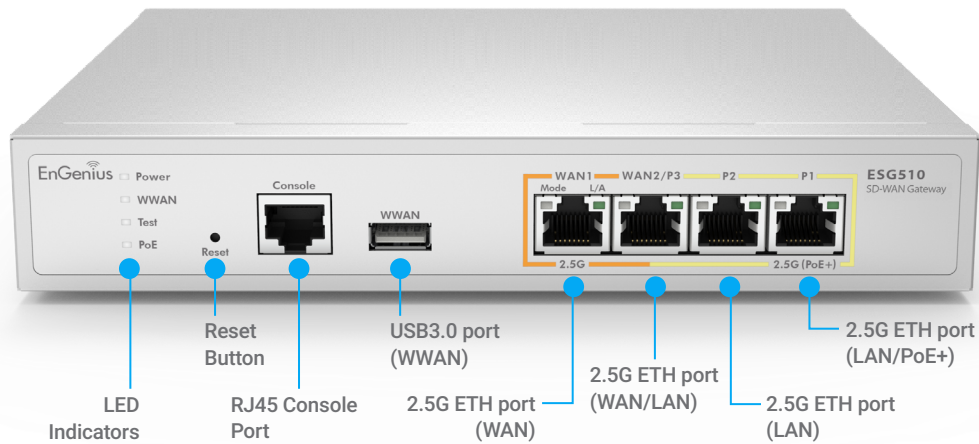**Regulatory Compliance**

FCC Part 15 (Class B)

IC

CE EMC

CB

UL

Hardware Overviews

- LED Indicators
- Reset Button
- RJ45 Console Port
- USB3.0 port (WWAN)
- 2.5G ETH port (WAN)
- 2.5G ETH port (WAN/LAN)
- 2.5G ETH port (LAN)
- 2.5G ETH port (LAN/PoE+)