ESG610

Gateway6 4mG

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

Overview

EnGenius ESG610 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.
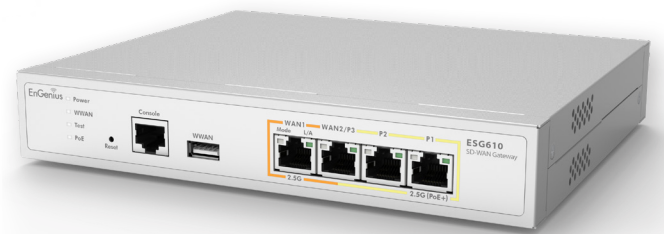
Features & Benefits

- Simple, unified cloud management for any size business

- Intuitive and centralized device visibility from anywhere

- Dual 2.5GE WAN and Dual 2.5GE 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

- 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

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Technical Specifications

Technical Specifications	
CPU Processor	
Quad Core	
Operating Frequency	
2.2GHz	
Memory	
8GB	
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)	
6.8G	
VPN throughput	
1.5G	
Max. Concurrent VPN Tunnels	
300	
Max. Concurrent VPN Users	
380	
Max. TCP Concurrent Sessions	
1,250,000	
Max VLAN	
160	

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
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
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

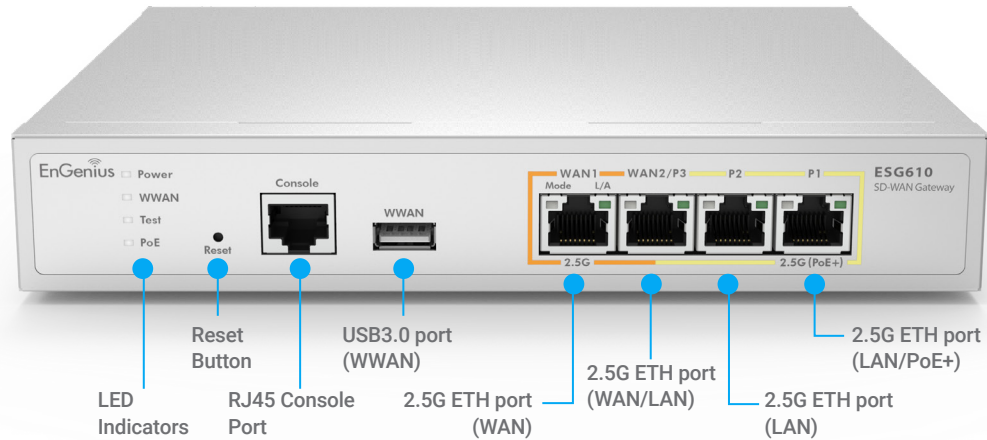**Regulatory Compliance**

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+)**

Labels on device: EnGenius | Power | WWAN | Test | PoE | Reset | Console | WWAN | WAN1 Mode | WAN2/P3 L/A | P2 | P1 | ESG610 SD-WAN Gateway | 2.5G | 2.5G (PoE+)