

Ruijie RG-EG3250

Datasheet

Product Overview

- The Ruijie RG-EG3250 belongs to the Ruijie EasyGate (EG) Next-Generation Unified Security Gateway series, designed to provide high-performance security and intelligent network management for enterprises, educational institutions, and various industries.
- Powered by a multi-core MIPS hardware architecture, the RG-EG3250 ensures robust processing power to handle complex network environments.
- It offers a robust suite of security and management features, enabling organizations to enhance network efficiency while maintaining strong security policies.
- To meet regulatory compliance requirements, the RG-EG3250 features local storage for Internet activity logs via its integrated Hard Disk Drive (HDD). This allows organizations to maintain detailed network audit records, ensuring compliance with national security standards and industry regulations.
- With AI-driven analytics and cloud-based optimization, administrators can enhance network visibility, automate troubleshooting, and ensure optimal network security with minimal manual intervention.

Product Highlights

- **Smart Flow Control & AAA Integration:** Optimizes bandwidth and ensures secure access with AAA integration.
- **User Online Behavior Management:** Monitors and controls user activities for better security.
- **VPN & Traffic Visualization:** Provides clear VPN traffic visualization for secure remote access.
- **App Caching for Download Acceleration:** Accelerates downloads by caching frequently used apps.
- **Built-in Internet Audit Log Storage (EG3250):** Stores Internet logs locally to meet compliance standards.

Detailed Features



RG-EG3250

Component	Specification
1000BASE-T Ports	8
SFP Port	1
SFP+ Port (Non-Combo)	1
WAN Ports	2 × GE
Default Routing	Static, Policy-based, Dynamic (OSPF, BGP)



High-Performance Security Gateway

The Ruijie RG-EG3250 is a next-generation unified security gateway designed to provide high-speed network performance and advanced security capabilities. With a firewall throughput of 7 Gbps and support for up to 2 million concurrent sessions, it ensures reliable and secure connectivity for medium to large enterprises.

Intelligent Traffic Management

Equipped with smart traffic shaping and load balancing, the RG-EG3250 optimizes bandwidth usage across multiple WAN connections. It dynamically distributes network traffic to prevent congestion, ensuring a seamless user experience even in high-demand environments.

Comprehensive VPN Capabilities

The device supports multiple VPN protocols, including IPsec, SSL, and L2TP, providing encrypted and secure remote access. With an IPsec VPN throughput of 1.5 Gbps and a capacity of 200 VPN tunnels, it facilitates secure interconnectivity between branch offices, remote workers, and data centers.

Advanced Threat Protection

The RG-EG3250 integrates state-of-the-art security features such as an Intrusion Prevention System (IPS), antivirus protection, and web filtering. These capabilities protect networks from cyber threats, unauthorized access, and malicious attacks while ensuring compliance with security policies. Additionally, its real-time threat intelligence updates help detect and mitigate emerging risks, enhancing security by blocking suspicious traffic patterns before they compromise the network.

Enterprise-Grade Hardware

Built with a multi-core MIPS processor, 2 GB of memory, and an integrated storage drive for local logging, the RG-EG3250 ensures optimal performance and reliability. Its hardware architecture supports high-speed data processing while maintaining energy efficiency.

High Availability and Redundancy

The gateway supports active/passive high availability (HA) to prevent downtime in mission-critical environments. If one device fails, traffic automatically switches to the backup unit, ensuring uninterrupted network services.

Flexible Deployment Options

Designed for diverse networking environments, the RG-EG3250 supports static, policy-based, and dynamic routing (OSPF/BGP). Its six LAN and two WAN ports provide flexible network topology configurations, catering to various deployment needs. The device also features VLAN support, dual-stack IPv4/IPv6 compatibility, and multiple link aggregation options, making it ideal for scalable and future-proof network infrastructures. Additionally, it supports role-based access control, allowing network administrators to implement granular security policies based on user roles and traffic types.

Environmental Efficiency

With a maximum power consumption of just 40W and a robust thermal design, the RG-EG3250 operates efficiently within a temperature range of 0°C to 40°C. Its energy-efficient design minimizes operational costs while ensuring stable long-term performance.

Technical Specifications

Product Specifications

Feature	Value
CPU	Multi-core MIPS
Memory	2GB
Flash	8M SPIFLASH
Hard Disk	Standard 1TB
Fixed Ports	8 × 1000BASE-T, 1 × SFP, 1 × SFP+ (non-combo)
WAN Ports	Up to 6

Feature	Value
Throughput (1518 bytes)	6000 Mbps
Throughput (512 bytes)	3725 Mbps
Throughput (64 bytes)	800 Mbps
IPv4 over IPv6	Yes
IPv6 ECMP	Yes
Rack Height	1U
Weight	4kg
Power Supply	100-240V~, 50-60Hz, 0.65A
Power Consumption	<25W
Dimensions (W × D × H)	440 × 200 × 43.6 mm
Operating Temperature	0°C to 40°C
Operating Humidity	10% to 90% RH
MTBF	>200,000 Hours

Product Comparison

Feature	RG-EG3250	RG-EG3210	RG-EG3280
CPU	Multi-core MIPS	Multi-core MIPS	Multi-core MIPS
Fixed Ports	8 × 1000BASE-T, 1 × SFP, 1 × SFP+ (non-combo)	6 × 1000BASE-T, 2 × SFP	10 × 1000BASE-T, 2 × SFP+
WAN Ports	Up to 6	Up to 4	Up to 8
Hard Disk	1TB (Standard)	500GB HDD	1TB SSD
Memory	2GB	2GB	4GB
Throughput (1518 bytes)	6000 Mbps	4000 Mbps	8000 Mbps
Concurrent Sessions	600,000	500,000	700,000
Maximum Concurrent Users	2000	1500	2500
Recommended Concurrent Users	1500	1200	2000



Feature	RG-EG3250	RG-EG3210	RG-EG3280
Power Supply	100-240V, 50-60Hz, 0.65A	100-240V, 50-60Hz, 0.5A	100-240V, 50-60Hz, 0.75A
Rack Height	1U	1U	1U
Weight	4kg	3.5kg	4.5kg
Operating Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C
Operating Humidity	10% to 90% RH	10% to 90% RH	10% to 90% RH
Security Features	IPS, Antivirus, URL Filtering, Anti-ARP Spoofing	IPS, URL Filtering, Anti-ARP Spoofing	IPS, Antivirus, URL Filtering, Anti-ARP Spoofing

Accessories

Category	Accessories
Included Accessories	- Power Cable
	- Mounting Bracket
	- Quick Installation Guide
Optional Accessories	-Expansion Storage: RG-EG3250-HDD-2TB
	-Rack Mount Kit: RG-EG3250-RACK-KIT
	- SFP Modules: 1000BASE-SX, 1000BASE-LX
	- SFP+ Modules: 10GBASE-SR, 10GBASE-LR
	- Direct Attach Cables (DAC): DAC-1000BASE-1M, DAC-10GBASE-2M
	- Active Optical Cables (AOC): AOC-10GBASE-5M
	- Power Supply: RG-EG3250-PSU-AC-100W, RG-EG3250-PSU-DC-100W



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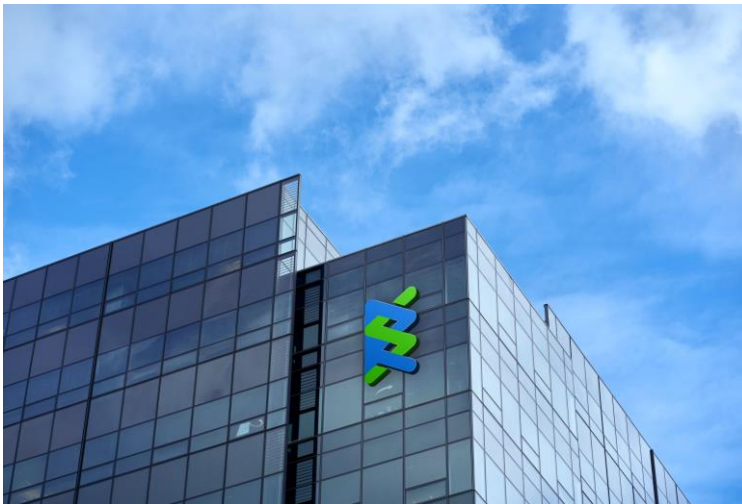


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Sales Inquiries: sales@router-switch.com

Expert Technical Support: ccie-support@router-switch.com

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Phone

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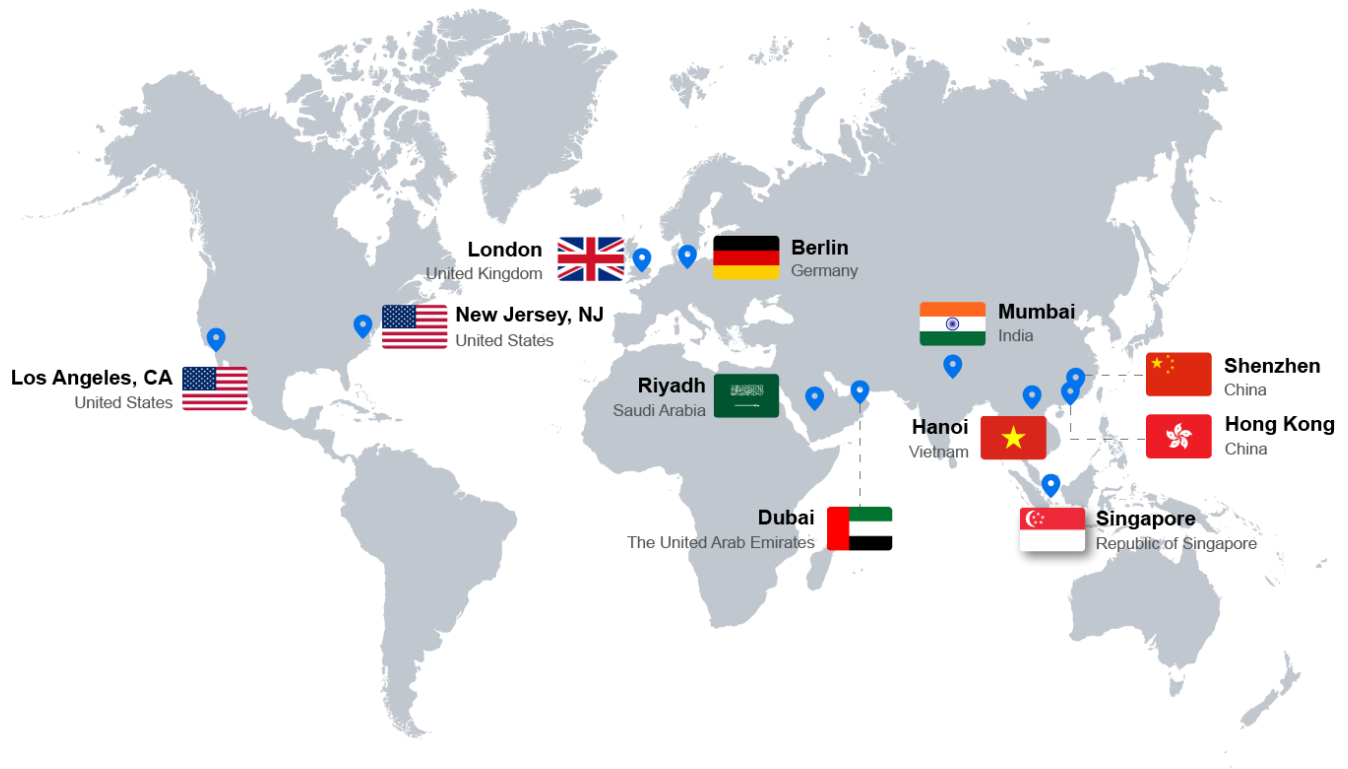
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Global Branches

Headquarters (Hong Kong)

Rm 605, 6/F, Fa Yuen Comm Bldg, 75-77 Fa Yuen St, Mongkok, Kowloon, Hong Kong, China

Shenzhen Branch

Jingfeng Building, 1001 Shangbu South Road, Futian District, Shenzhen, China

USA Branch

3592 Rosemead Blvd, B #220, Rosemead, CA 91770, USA

UK Branch

Third Floor, 207 Regent Street, London W1B 3HH, UK



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