Ruijie RG-EG3230
Datasheet

Product Overview

- The Ruijie RG-EG3230 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-EG3230 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-EG3230 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 (EG3230):** Stores Internet logs locally to meet compliance standards.

Detailed Features

RG-EG3230

Component	Specification
GE RJ45 Ports	18 (1 MGMT, 1 HA, 16 Switch)
GE SFP Slots	8
10GE SFP+ Slots	4
Power Supply	Dual AC
Hardware Acceleration	SP5

High-Performance Security Gateway

The Ruijie RG-EG3230 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-EG3230 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-EG3230 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-EG3230 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-EG3230 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-EG3230 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
Fixed Ports	8 1000BASE-T ports (7x POE/POE+), 1 SFP port, 1 SFP+ port (non-combo)
WAN Ports	Up to 2 WAN ports
Flash	8M SPI Flash
Memory	2 GB
Performance	4000 Mbps (1518 bytes), 2610 Mbps (512 bytes), 622 Mbps (64 bytes)
Concurrent Sessions	300,000

Feature	Value
Recommended Concurrent Users	1000
Portal Authentication Capacity	N/A
Network Protocols	Supports TCP/IP protocols including static routing, RIP (V1/V2), OSPF, DHCP Relay, PPPoE, NAT, ARP, etc.
VPN Tunnel	1000 IPsec VPN Tunnel
Cloud-Based Application Support	Supports more than 120 types of application protocols, including P2P, multimedia, social media, and more.
Security Features	Anti-ARP spoofing, block WAN ping, prevent port scan, fragmentation attacks, etc.
Power Supply	100-240V, 50-60Hz, 0.65A
PoE Budget	N/A
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	EG2100-P v2	EG3250	EG3230
CPU	Multi-core MIPS	Multi-core MIPS	Multi-core MIPS
Fixed Ports	8 1000BASE-T ports (7x POE/POE+)	8 1000BASE-T ports, 1 SFP port	8 1000BASE-T ports, 1 SFP port, 1 SFP+ port
WAN Ports	Up to 2	Up to 6	Up to 2
Flash	4GB EMMC	8M SPI Flash	8M SPI Flash
Performance (1518 bytes)	1000 Mbps	6000 Mbps	4000 Mbps
Concurrent Sessions	100,000	600,000	300,000
Recommended Concurrent Users	800	2000	1000
Portal Authentication Capacity	100 Max Concurrent Users	1000 IPsec VPN Tunnel	N/A
VPN Tunnel	N/A	1200	1000 IPsec VPN Tunnel

Feature	EG2100-P v2	EG3250	EG3230
Power Consumption	<150W	<25W	<25W
Memory	512 MB	2 GB	2 GB
Application Visibility	Basic	Advanced (43+ types, 120+ features)	Advanced (43+ types, 120+ features)
Operating Temperature	0°C to 45°C	0°C to 40°C	0°C to 40°C
Weight	2 kg	4 kg	4 kg
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	- External Antenna Kit
	- USB 3.0 Expansion Module
	- Fiber Optic Cable (LC to SC)
	- SFP+ Transceiver Module
	- Cooling Fan Module
	- Redundant Power Supply (RPS)
	- Rack Shelf for Secure Mounting

Support & Warranty

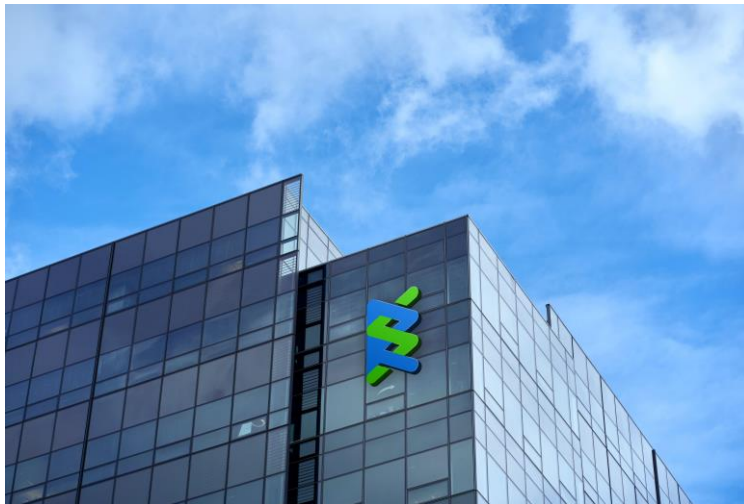| 24/7 Online Service | 3-Year Premium Warranty | Professional Technical Support | 100% Low Price Guarantee | 100% Quality Assurance | 100% Money Back Guarantee |

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