RG-NBS6002

Layer 3 Cloud Managed Switch
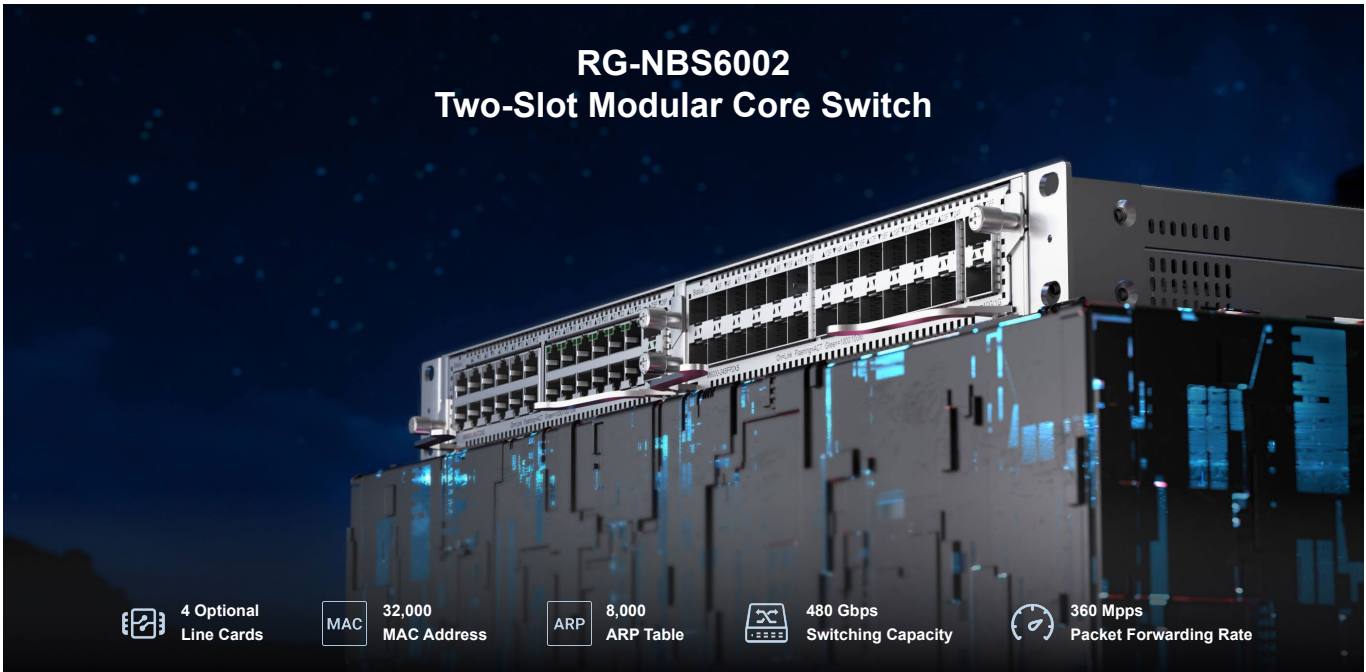
DATASHEET

Highlights

- Modular design provides scalability and flexibility

- Static routing allows traffic to be routed at Layer 3

- Multiple security policies protect your network

- Lifetime management on Ruijie Cloud at anytime anywhere

Highlight Features

RG-NBS6002
Two-Slot Modular Core Switch

4 Optional Line Cards

MAC 32,000 MAC Address

ARP 8,000 ARP Table

480 Gbps Switching Capacity

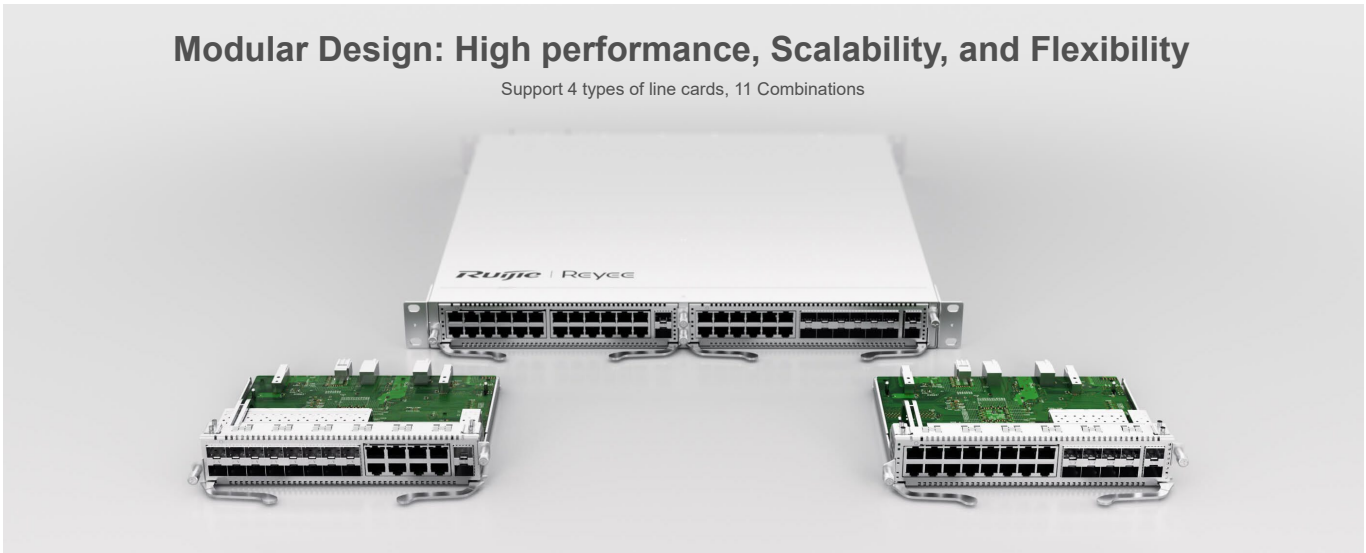360 Mpps Packet Forwarding Rate

High Cost-Effective Core Switch

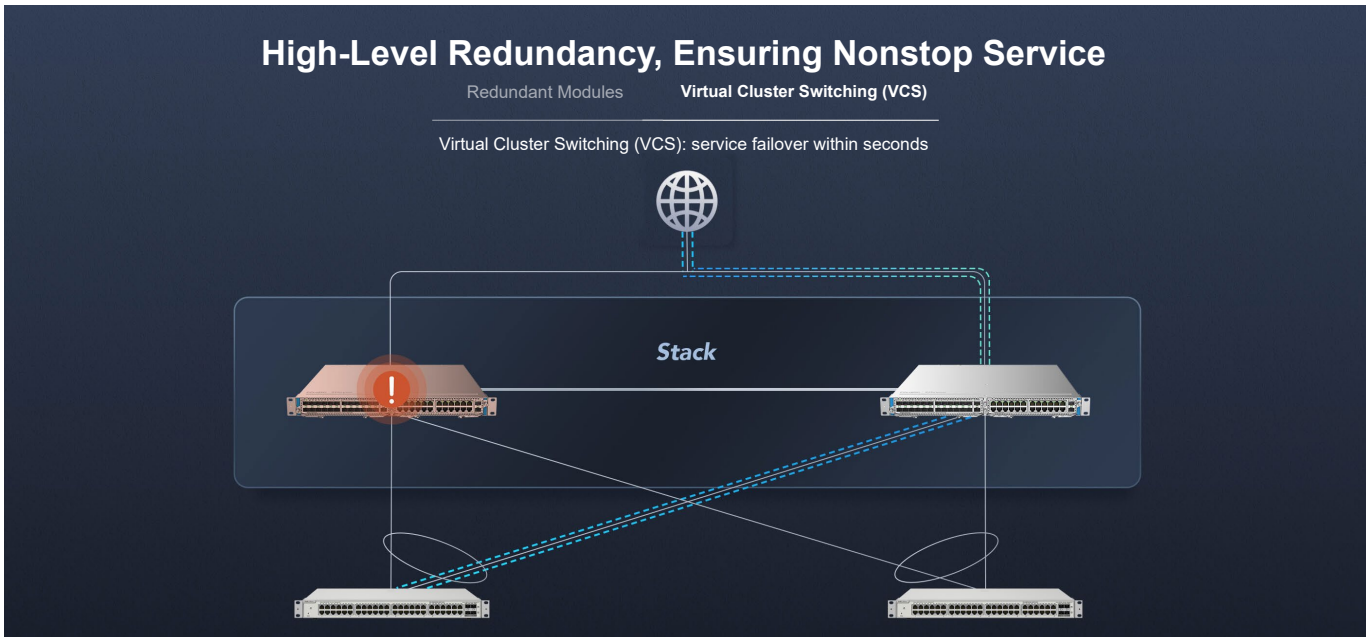Enjoy the performance of two with the price of one

Modular Design: High performance, Scalability, and Flexibility

Support 4 types of line cards, 11 Combinations

Highlight Features

High-Level Redundancy, Ensuring Nonstop Service

Redundant Modules   Virtual Cluster Switching (VCS)

2 power slots & 3 fans: ensuing service continuity

High-Level Redundancy, Ensuring Nonstop Service

Redundant Modules   **Virtual Cluster Switching (VCS)**

Virtual Cluster Switching (VCS): service failover within seconds

Stack

Cloud, Make Your Business Easy

- SON, zero touch provisioning to Cloud
- Configure VLANs on Ruijie Cloud APP
- Monitor switch statistics at anytime anywhere
- Easy mainteinance, save onsite time and cost

Basic	
Model	RG-NBS6002
10/100/1000Base-T ports	48 * 10/100/1000BASE-T ports (Maximum)
SFP ports	48* SFP ports (Maximum)
SFP+ ports	4* SFP+ ports (Maximum)
Layer Type	Layer 3
Switching capacity	176Gbps
Forwarding rate	132Mpps
Packet Buffer	16 Mbit
MAC address table	32,000
Maximum VLAN Support	4094
Dimensions (W x D x H)	581 mm x 533 mm x 131 mm
Weight (With package)	6.2KG
MTBF	> 400,000
Warranty	5 Years

Layer 2 Features	
Jumbo Frame	9216
Flow Control	✓
STP (IEEE 802.1d)	✓
RSTP (IEEE 802.1w)	✓
MSTP (IEEE 802.1s)	-
Port Fast	✓
BPDU Guard	✓

Layer 2 Features

Model	RG-NBS6002
Errdisable Recovery	✓
Max. Aggregation Group	16
Max. Member per Group	8
Unknow Unicast Storm Suppression	✓
Multicast / Broadcast Storm Suppression	✓
Many-to-One Mirroring	✓
VLAN Range	1-4094
Port-based VLAN	✓
MAC-based VLAN	✓
IP-based VLAN	✓
Voice VLAN	✓
RLDP	✓
LLDP / LLDP-MED	✓
Cable Testing	✓
IGMP Snooping v1/v2/v3	✓

Software Features

Ping	✓
Traceroute	✓
ACL Entries	1900
Static Routing	✓
IP Standard ACL	✓

Software Features

Model	RG-NBS6002
MAC-based Extended ACL	✓
IP-based Extended ACL	✓
Port-based Rate Limit (Ingress/Egress)	✓
SNMP v1/v2c/v3	✓
DHCP Server	✓
Web Management	✓
Management IP	10.44.77.200
HTTP/HTTPS	✓
Cloud Management	✓
SON (Self-Organizing Network) with IP	✓
Camera Recognition	✓
Loop Prevention	✓
	✓
PoE Usage Alarm	-
Protection Port	✓
IP Source Guard	✓
Anti-ARP	✓
DHCP Snooping	✓
DHCP Client	✓

Software Features

Physical Features	
Model	**RG-NBS6002**
Reset Button	rear
Cable Hot-swappable	✓
Power Supply Slot	Dual, modular power supply
Power Supplies	100 - 240V AC, 3A
Power Consumption	≤ 37.2W
EEE	✓
Fan	3
	Left/right-to-Rear
Fan Adaptive Speed Adjustment	✓
Acoustic Noise	< 60dB
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% to 90% RH
Storage Humidity	5% to 95% RH
Port Surge	6 kV
Operating Altitude (meters)	-500 to 5000
	CE, RoHS

Power Supply

RG-PA150I-FS	RG-NBS6002 Power Module (support redundancy,AC, 150W)

Line Card & Service Module

M6000-24GT2XS	24 Gigabit Ethernet copper port (RJ45) + 2 10-Gigabit Ethernet iber port (SFP+,LC) Power Consumption ≤20.6W
M6000-16GT8SFP2XS	16 Gigabit Ethernet copper port (RJ45) + 8 Gigabit Ethernet iber port (SFP+,LC) + 2 10-Gigabit Ethernet iber port (SFP+,LC) Power Consumption ≤28.5W
M6000-24SFP2XS	24 Gigabit Ethernet iber port (SFP LC) + 2 10-Gigabit Ethernet iber port (SFP+,LC) Power Consumption ≤44.4W
M6000-16SFP8GT2XS	16 Gigabit Ethernet iber port (SFP LC) + 8Gigabit Ethernet copper port (RJ45) + 2 10-Gigabit Ethernet iber port (SFP+,LC) Power Consumption ≤36.4W

Package Contents

Device	RG-NBS6002
Mounting Bracket	2
Foot pad	4
Power supply	RG-PA150I-FS (100-240V, 150W)
Quick Start Guide	1
Warranty Card	1
Accesories	Screws * 6
Package Weight	6.2KG
Package Dimension (w x d x h)	596 mm x 285 mm x 558 mm

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Redefine your easy network

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