

RG-NBS5300-8MG2XS-UP Multi-Gigabit Layer 3 Cloud Managed Switch

DATASHEET



Highlights

- 2.5 Gbps ports smash the gigabit barrier and unlock the full potential of WiFi 6 APs.
- 802.3bt/at/af-compliant PoE++ ports with a total power supply of 370W.
- IP-MAC-Port Binding, ACL, Port Security, Storm Control, DHCP Snooping, 802.1X, Radius Authentication.
- Lifetime management on Ruijie Cloud at anytime anywhere.

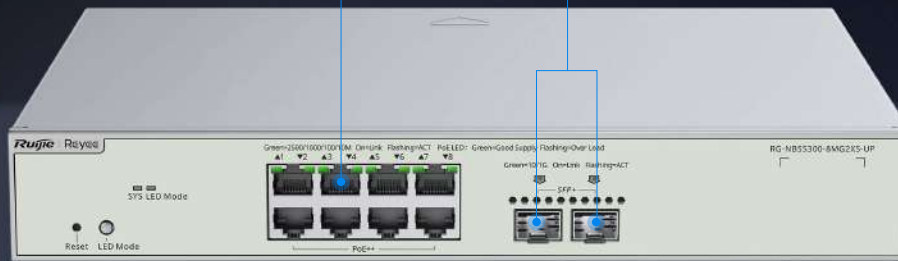
Highlight Features

RG-NBS5300-8MG2XS-UP

8-Port Multi-Gigabit Layer 3 Cloud Managed Switch, 2-SFP+ Uplink

8 x 2.5 G RJ45 PoE ports
Each port support max 90W

2 X 10G SFP



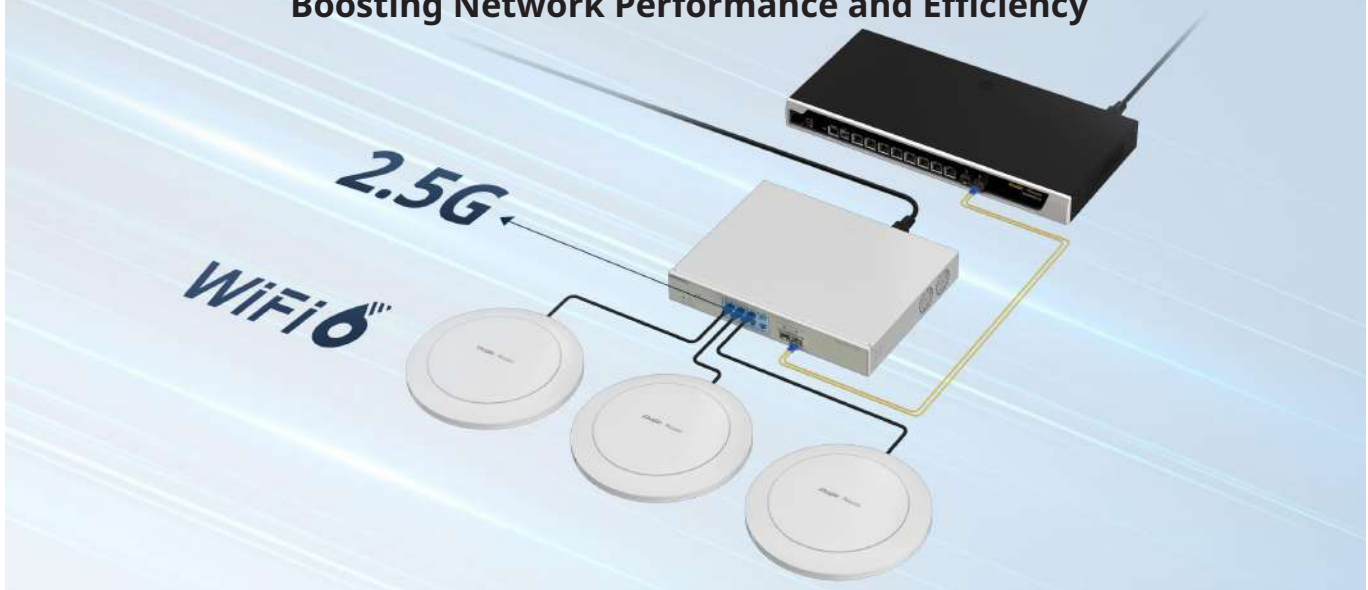
8 x 2.5G PoE+ Ports
for WiFi 6

PoE++ Budget
370W

2 x 10G SFP
Uplink

Layer 3
Cloud Management

Integration with WiFi 6 AP, Boosting Network Performance and Efficiency



Highlight Features

90W PoE Power Delivery
Meet High-Power Device Demands

90W (802.3bt)



30W (802.3af)

Enterprise-class Quality Ensures High Performance

[Link Aggregation](#) IGMP Snooping VLAN



Highlight Features

Enterprise-class Quality Ensures High Performance

Link Aggregation

IGMP Snooping

VLAN

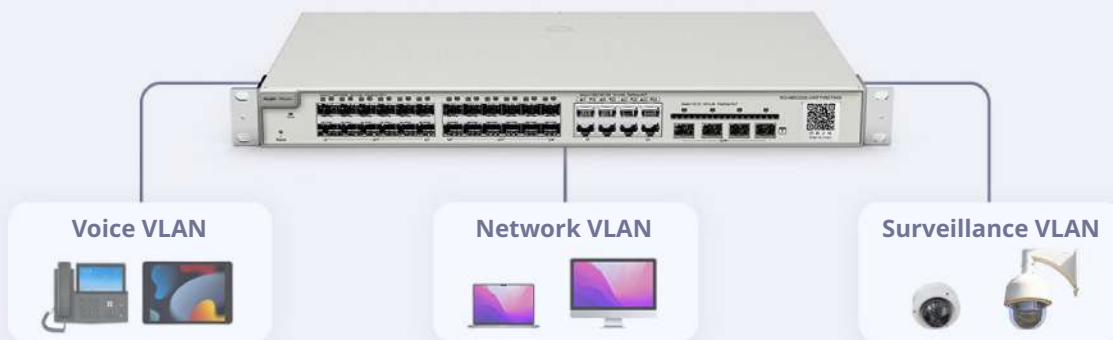


Enterprise-class Quality Ensures High Performance

Link Aggregation

IGMP Snooping

VLAN



Highlight Features

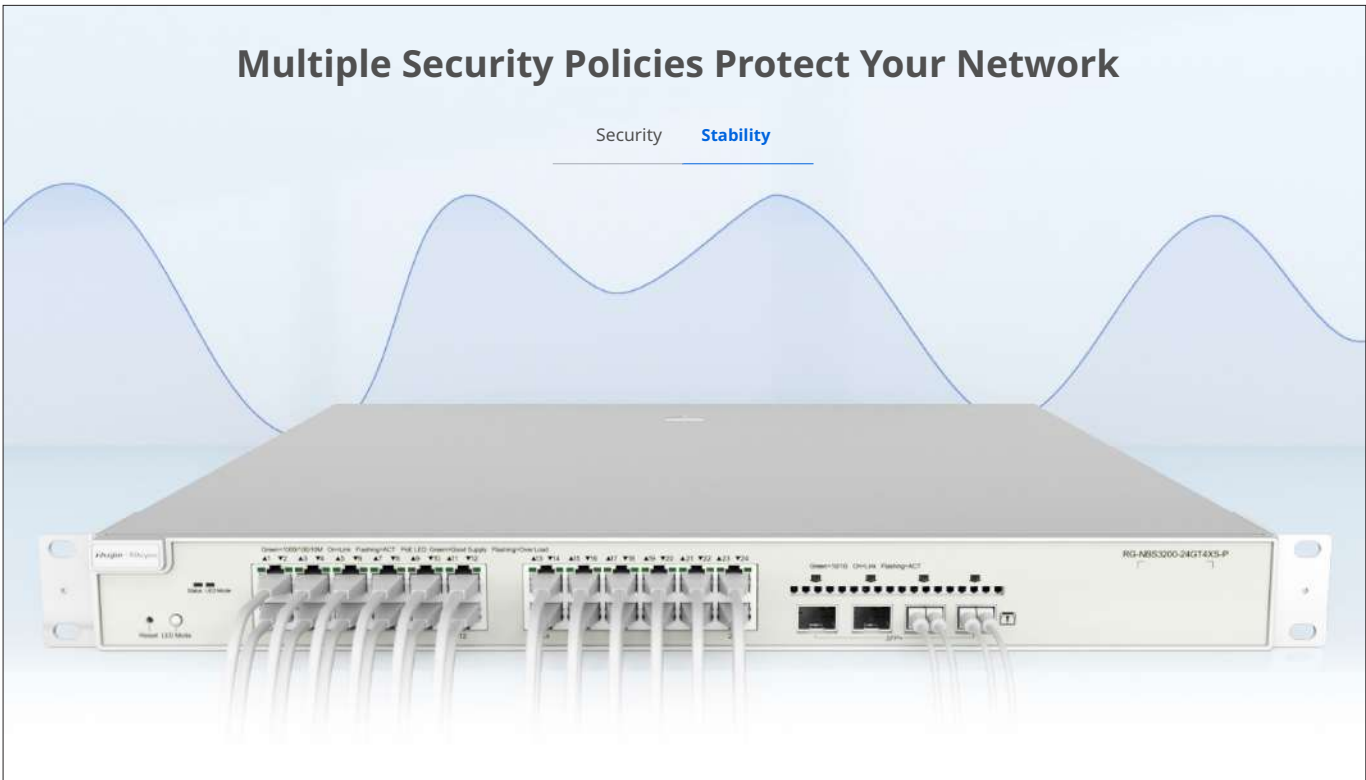
Multiple Security Policies Protect Your Network

Security Stability



Multiple Security Policies Protect Your Network

Security Stability



Highlight Features

Cloud, Make Your Business Easy

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



Specifications

Basic

Specification	RG-NBS5300-8MG2XS-UP
10/100/1000/2500Base-T copper ports	8
SFP+ ports	2
PoE/PoE+/PoE++ ports	8
Max. PoE budget	370W
Layer Type	Layer 3
Switching capacity	80Gbps
Forwarding rate	58.72Mpps
Switching Cache	12Mbit
ARP Table Size	2000
MAC address table	16,000
Maximum VLAN Support	4094
Dimensions (W x D x H)	300mm x 230mm x 43.6mm (The depth excludes the front panel) 300mm x 233mm x 43.6mm (The depth includes the front panel)
Weight (With package)	3.25kg
MTBF	400000H
Warranty	5 Years

Layer 2 Features

Jumbo Frame	9216
Flow Control	✓
STP (IEEE 802.1d)	✓
RSTP (IEEE 802.1w)	✓
MSTP (IEEE 802.1s)	non-supported
Port Fast	✓

Specifications

Layer 2 Features

Specification	RG-NBS5300-8MG2XS-UP
BPDU Guard	✓
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	non-supported
IP-based VLAN	non-supported
Voice VLAN	✓
RLDP	✓
LLDP / LLDP-MED	✓
Cable Testing	✓
IGMP Snooping v1/v2/v3	Y/Y/N

Layer 3 Features

Static Routing	✓
RIP/RIPng	✓
OSPFv2/OSPFv3	✓
VCS	2
Max. No. of SVI (IPv4)	32
Max. No. of SVI (IPv6)	32

Specifications

Software Features

Specification	RG-NBS5300-8MG2XS-UP
Ping	✓
Traceroute	✓
ACL Entries	✓
Static Routing	✓
IP Standard ACL	✓
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	✓
Loop Notification	✓
Protection Port	✓
IP Source Guard	✓
Anti-ARP Spoofing	✓
DHCP Snooping	✓

Specifications

Physical Features

Specification	RG-NBS5300-8MG2XS-UP
DHCP Client	✓
Flash Memory	256MB
Reset Button	front
Cable Hot-swappable	✓
Power Supply Slot	Single, fixed power supply
Power Supplies	100 - 240V AC, 10A
Power Consumption (220VAC)	No PoE load: 42.48W; Full PoE load: 431.86W
EEE	✓
Fan	2
Airflow	Left/Right-to-Rear
Fan Adaptive Speed Adjustment	✓
Acoustic Noise	<40dB
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
Certificate	CE, RoHS

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 **Redefine your easy network**

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