

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.

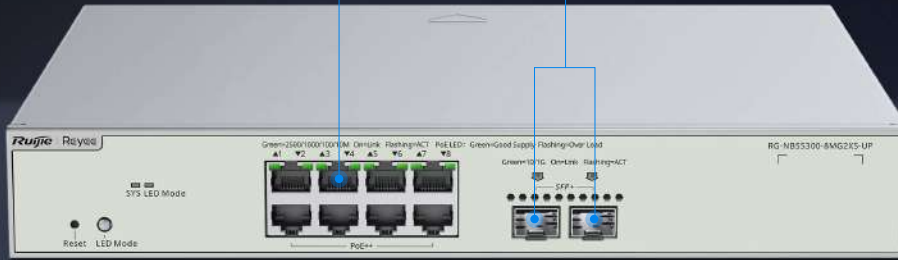
/ Highlight Features

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



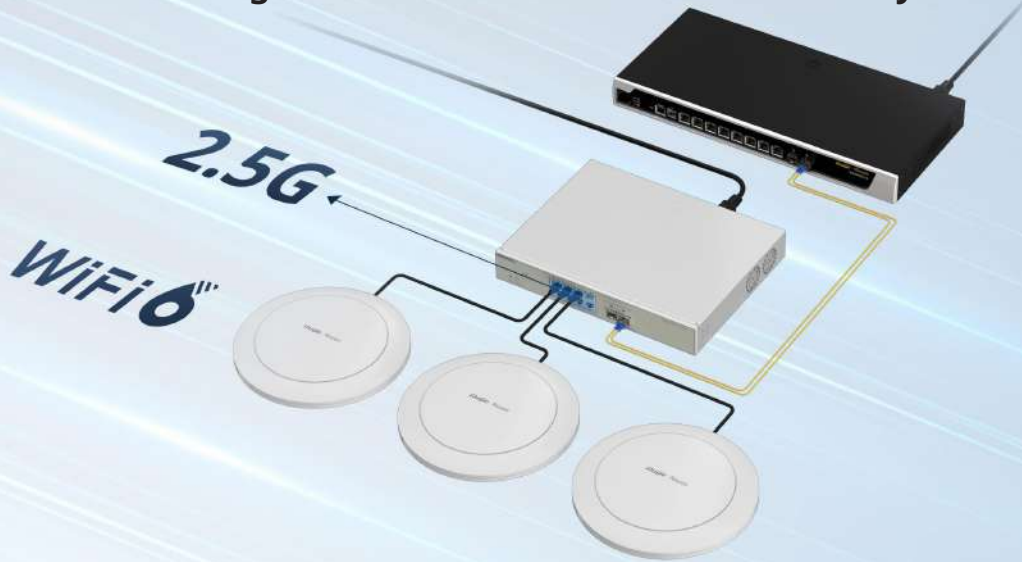
 8 x 2.5G PoE+ Ports
for WiFi 6

 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**



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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