Ruijie Reyce

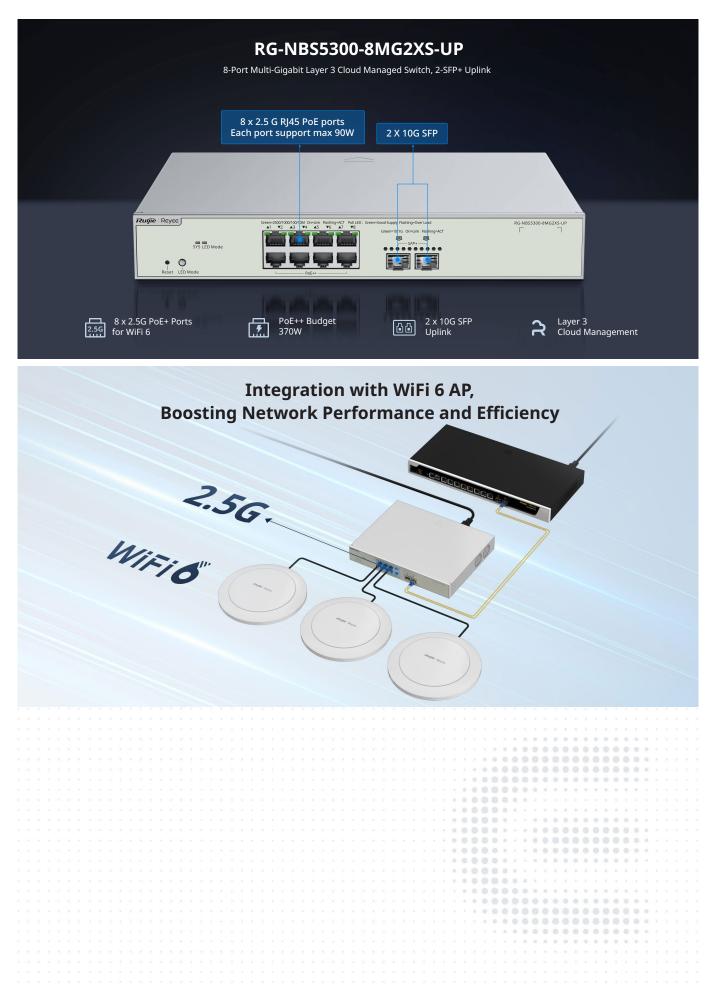
RG-NBS5300-8MG2XS-UP Multi-Gigabit Layer 3 Cloud Managed Switch



Highlights

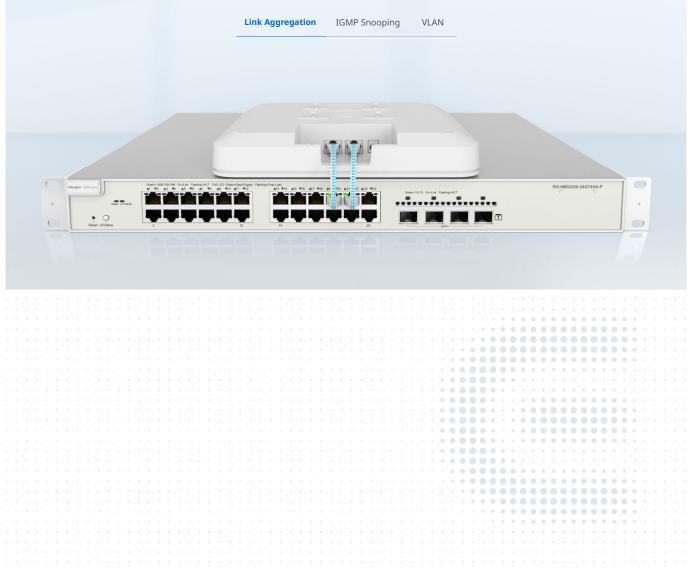
- 2.5 Gbps ports smash the gigabit barrier and unlock the full potential of WiFi 6 APs.
- 802.3bt/at/af-compliant PoE++ ports with a total power supply of 370W.
- IP-MAC-Port Binding, ACL, Port Security, Storm Control, DHCP Snooping, 802.1X,
- Radius Authentication.
- Lifetime management on Ruijie Cloud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





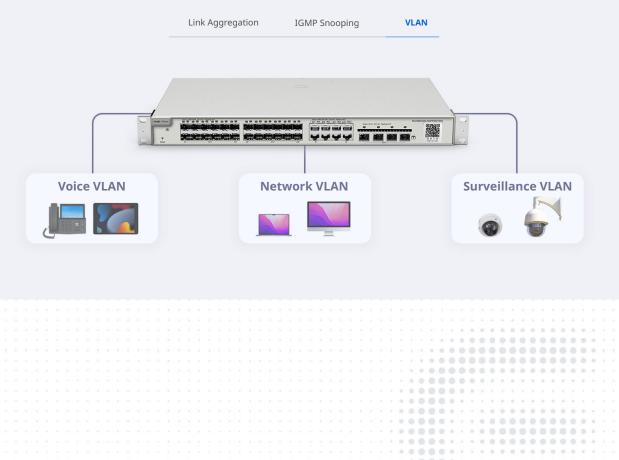
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Enterprise-class Quality Ensures High Performance



Introduction <p

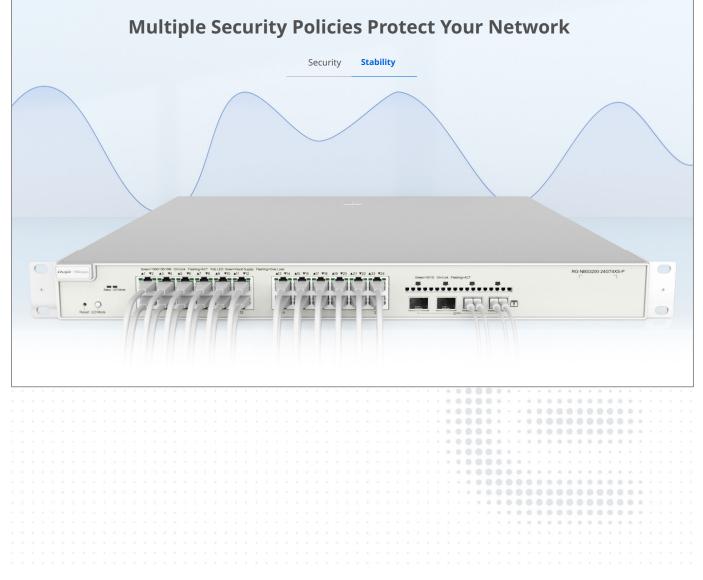
Enterprise-class Quality Ensures High Performance



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Cloud, Make Your Business Easy SON, zero touch provisioning to Cloud Monitor switch statistics at anytime anywhere Configure VLANs on Ruiiie Cloud APP Easy maintainance, save onsite time and cost 4 @ (†) // 3 Papor Annox Non Content 1 Diane Route 0 Con Tana Torsees the 10 2 & Alarm 2 0 0 3 2.43 50 SIS LIO Mode Paser UDan . .

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Specifications

Specifications		RG-NBS5300-8MG2XS-UP
	Hardware Speci	fications
Pout	Total Number of RJ45 Ports	8
	Total Number of Optical Ports	2
Port	Number of 10GE SFP+ ports	2
	Number of 2.5GE RJ45 ports	8
	Number of PoE/PoE+ out ports	8
POE	Number of PoE/PoE+/PoE++ out ports	8
	PoE budget	370W
	PoE power pins	1 2- 7 8-,3 6+ 4 5+
	CPU	MAC chip with a built-in single-core CPU, 800MHz
	RAM	512MB
	Flash memory	256MB
	Recommended camera limit	200W H265:350 400W H265:170
	Forwarding rate	58.72Mpps
	Switching capacity	80Gbps
System Specifications	Maximum number of VLANs	4094
	Maximum number of MAC address entries	16000
	Maximum number of ARP entries	2000
	Routing table capacity (main unit routing)	6000
	Maximum number of IPv4 static routes	500
	Routing table capacity (network routing)	128

	Specifications	RG-NBS5300-8MG2XS-UP
	Maximum number of IPv6 static routes	128
	Maximum number of ACEs	In-1900 Out-0
	Number of VCS members	2
	Power input	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 6A
Power	Maximum power consumption	450W
	Power output	Vout=54V(7.6A),P=409W
	Input power supply	Single fixed power supply
	Fan	2
FAN	Fan speed adjustment	Hardware-based adjustment
FAIN	Heat dissipation	1,539 BTU/hr(220V/50Hz)
	Acoustic noise	<40dB (when the device works normally)
Button	Reset button	Yes
ЕМС	EMC	EN 55032:2015+AC:2016 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)
Safety Compliance	Safety compliance	IEC 62368-1
Certification	CE, FCC	CE;FCC
Mounting	Mounting	Rack installation
Casing	Casing	Metal
Cable Hot- Swappable	Hot swapping of cables	Supported by all ports
Mean Time Between Failure (MTBF)	MTBF	>400KH
Warranty	Warranty Card	5

	Specifications	RG-NBS5300-8MG2XS-UP
EEE	EEE	Yes
	Operating temperature	0 to 50°C
	Storage temperature	-40 to 70°C
	Operating humidity	10% to 90% RH(non-condensing)
Environment and	Storage humidity	5% to 95% RH(non-condensing)
Reliability	Operating altitude	-500~5000M
	ESD protection	Air Discharge: 8kV Contact Discharge: 6kV
	Surge protection	Common Mode 6kV
	Surge protection	Common Mode 6kV Differential mode 6kV
	Dimensions (W x D x H)	300mm x 233mm x 43.6mm
	Weight	2.5 kg
	Shipping weight	3.25Kg
	Rack-mount bracket	2
Package Contents	Screw	M3 Screw*8
	User Manual	1
	Rubber pad	4
	Input power supply	Single fixed power supply
	Warranty Card	1
L2		
Jumbo Frame	Jumbo frame length (MTU)	9216 Bytes(Per-port MTU)
port	Port flow control	Yes
	PoE watchdog	Yes
	Port isolation	Yes
	EEE	Yes

	Specifications	RG-NBS5300-8MG2XS-UP
	Cable Test	Yes
VLAN	IEEE802.1Q VLAN	Yes
	Port-based VLAN	Yes
	Voice VLAN	Yes
	STP (IEEE 802.1d)	Yes
STP	RSTP (IEEE 802.1w)	Yes
	MSTP (IEEE 802.1s)	Yes
LLDP	LLDP	Yes
LLDP	LLDP-MED	Yes
SPAN	Port mirroring	Yes
SPAN	Mirroring	Yes
	IGMPv1 snooping	Yes
	IGMPv2 snooping	Yes
IGMP	Basic IGMPv3 snooping	Yes
	Full IGMPv3 snooping	Yes
	IGMP filtering	Yes
Mac Address	Static MAC address	Yes
Mac Addi ess	MAC address filtering	Yes
	Static aggregation	Yes
Link Aggregation	Load balancing	Yes
	LACP	Yes
Storm Suppression	Broadcast storm control	Yes
	Multicast storm control	Yes
	Unknown unicast storm control	Yes
	L3	

	Specifications	RG-NBS5300-8MG2XS-UP
ARP	ARP	Yes
IPv4	IPv4 ping	Yes
	IPv4 static route	Yes
	IPv4 traceroute	Yes
	IPv6 static route	Yes
IPv6	ICMPv6	Yes
Configuration	IPv6 ping	Yes
	IPv6 traceroute	Yes
OSPF	OSPFv2	Yes
	OSPFv3	Yes
IGMP	IGMP V1, V2, V3	Yes
DNS	DNS client	Yes
	DNSv6 client	Yes
	DHCP relay	Yes
DHCP	DHCP snooping	Yes
	DHCP server	Yes
	DHCP client	Yes
HTTP v6	HTTP Access by IPv6	Yes
	High Featu	res
ACL	Standard ACL	Yes
	Extended MAC ACL	Yes
	Extended IP ACL	Yes
	IPv6 ACL	Yes
QoS	802.1p traffic classification	Yes
	DSCP-based traffic classification	Yes

	Specifications	RG-NBS5300-8MG2XS-UP
	Egress queues based on 802.1p and DSCP	Yes
	SP	Yes
	WRR	Yes
	SP+WRR	Yes
	Global QoS	Yes
	Interface-based rate limiting (ingress/egress)	Yes
Online Upgrade	Online Upgrade	Yes
RLOG	RLOG	Yes
Self-Organizing Network	SON	Yes
syslog	System log	Yes
Client Identification	Client discovery	Yes
	Camera detection	Yes
	Loop alarm	Yes
	MAC address entries	Yes
ALARM	IP address pool conflicts	Yes
	Full ARP table	Yes
	PoE service failure	Yes
	PoE power overload	Yes
Radius	RADIUS	Yes
802.1X	802.1X authentication	Yes
	Port-based 802.1X authentication	Yes
	MAC-based 802.1X authentication	Yes
	Guest VLAN	Yes
IP+MAC Port Binding	IP-MAC-port binding	Yes

	Specifications	RG-NBS5300-8MG2XS-UP
Anti-ARP Spoofing	ARP anti-spoofing	Yes
IP Source Guard	IP source guard	Yes
CPU Protection Policy (CPP)	CPU Protection Policy	Yes
Management Features		
Web Management	eWeb	Yes
MACC	Ruijie Cloud	Yes
АРР	Ruijie Reyee App	Yes
SNMP	SNMPv1, v2c, and v3	Yes

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Redefine your easy network

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