Ruijie | Reyee

RG-NBS5200-24GT4XS-P-V2
L3 Cloud Managed Switch

DATASHEET **Explore More ▶**


RG-NBS5200-24GT4XS-P-V2

Highlights

- 24-Port Gigabit Layer 3 Managed PoE Switch, 4 SFP+ Uplink
- Enterprise-Class Quality and Features, Delivering Exceptional Performance
- 6 kV Surge Protection, Reducing the Possibility of Port Damage
- Multiple Security Policies, Protecting Your Network
- Lifetime Management on Ruijie Cloud Anytime, Anywhere

RG-NBS5200-24GT4XS-P-V2

24-Port Gigabit Layer 3 Cloud Managed PoE Switch, 4 x SFP+ Uplinks

24 x 10/100/1000M Auto Sensing Ports Support PoE/PoE+

4 x 10GE SFP+Ports
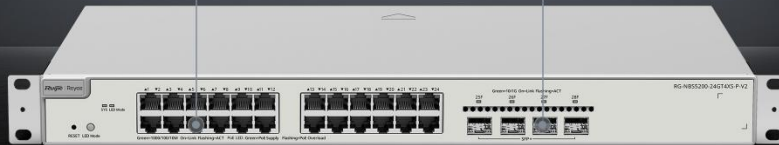
Switching Capacity
128 Gbps

Forwarding Rate
96 Mpps

5 Years
Warranty

PWM Fan
Optimized for Low Noise

Enterprise-Class Quality Ensures High Performance
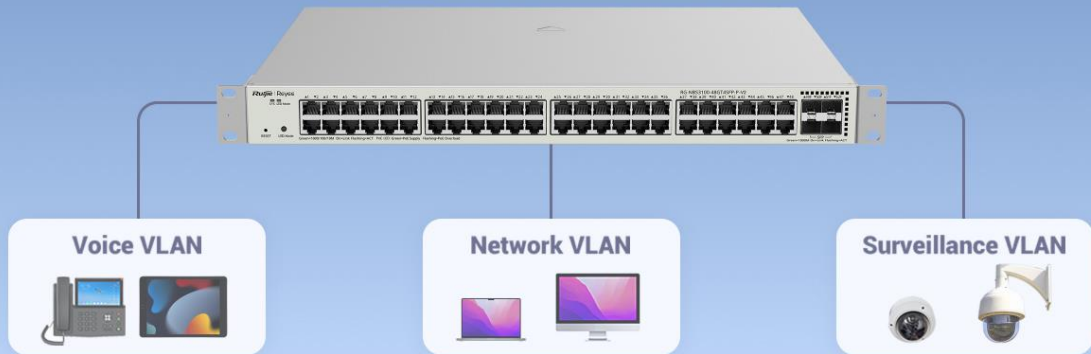
Link Aggregation   IGMP Snooping   VLAN

Enterprise-Class Quality Ensures High Performance

Link Aggregation   **IGMP Snooping**   VLAN

With IGMP

Enterprise-Class Quality Ensures High Performance

Link Aggregation   IGMP Snooping   **VLAN**

Voice VLAN

Network VLAN

Surveillance VLAN

Ruijie Cloud: Make Your Business Easy

- Support SON and zero-touch provisioning on Ruijie Cloud
- Configure VLANs on Ruijie Reyee App
- Monitor switch statistics at anytime, anywhere
- Simplify maintenance to reduce onsite time and costs

Product Specifications

Hardware Specifications	RG-NBS5200-24GT4XS-P-V2
Number of 10/100/1000BASE-T ports	24
Number of 10GE SFP+ ports	4
Total number of optical ports	4
Total number of RJ45 ports	24
Reset button	1
CPU	MAC chip, single-core processor, 800 MHz clock frequency
Flash memory	256 MB
RAM	512 MB
Power supply	Fixed power supply
Power input	220 V AC power supply: Rated input voltage: 100 V AC to 240 V AC, 50/60 Hz Maximum input voltage: 90 V AC to 264 V AC, 47 Hz to 63 Hz Maximum input current: 6 A
PoE power pins	1–2 (+), 3–6 (-)
PoE budget	370 W
Maximum power consumption	30 W (with no PoE load) 430 W (with full PoE load)
Dimensions (W x D x H)	440 mm x 222.6 mm x 44 mm (17.32 in. x 8.76 in. x 1.73 in.)
Weight	2.88 kg (6.35 lbs) (without packaging materials)
Shipping weight	4.00 kg (8.82 lbs)
Casing	Metal
Mounting options	Rack
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% RH to 90% RH (non-condensing)

Hardware Specifications	RG-NBS5200-24GT4XS-P-V2
Storage humidity	5% RH to 95% RH (non-condensing)
Altitude	Operating altitude: 0 m to +5,000 m (0 ft. to +16,404.20 ft.) Storage altitude: 0 m to +5,000 m (0 ft. to +16,404.20 ft.)
Fan	2 x fixed fans
MTBF	400,000 hours
Cooling	Air cooling, left-to-right airflow
Acoustic noise	23°C (73.4°F): 32 dB (with half PoE load) 50°C (122°F): 49 dB (with full PoE load)
Hot swapping of cables	Service ports support hot swapping of cables.
ESD protection	Contact discharge: 6 kV Air discharge: 8 kV
Surge protection	Service port: ±6 kV for common mode Power connector: ±6 kV for both common mode and differential mode
Safety compliance	IEC 62368-1
EMC	EN 55032: 2015+A1:2020 EN 61000-3-3: 2013+ A1:2019+A2:2021 EN IEC 61000-3-2: 2019+A1:2021 EN 55035: 2017+A11:2020 EN 300386 V2.2.1
Forwarding rate	96 Mpps
Switching capacity	128 Gbps(bit/s)
Warranty	5 years
Number of PoE Out ports	24
Number of PoE/PoE+ Out ports	24
Certification	CE

Software Specifications		RG-NBS5200-24GT4XS-P-V2
Authentication	802.1X authentication	Yes
	Interface-based 802.1X authentication	Yes
	MAC address-based 802.1X authentication	Yes
	Guest VLAN	Yes
	RADIUS	Yes
Basic Configurations	Online upgrade	Yes
	PoE watchdog	Yes
Ethernet Switching	Interface flow control	Yes
	MAC address filtering	Yes
	Static MAC address	Yes
	Maximum number of MAC address entries	16000
	Interface-based VLAN	Yes
	Voice VLAN	Yes
	Maximum number of VLANs	4094
	STP (IEEE 802.1d)	Yes
	RSTP (IEEE 802.1w)	Yes
	MSTP (IEEE 802.1s)	Yes
	LLDP	Yes
	LLDP-MED	Yes
	Inbound or outbound rate limiting based on interface traffic	Yes
	IEEE 802.1Q VLAN	Yes
	Static aggregation	Yes
	LACP	Yes

Software Specifications		RG-NBS5200-24GT4XS-P-V2
Gateway Features	802.1p priority-based traffic classification	Yes
	DSCP priority-based traffic classification	Yes
	Egress queues based on 802.1p and DSCP priorities	Yes
	SP	Yes
	WRR	Yes
	SP+WRR	Yes
	Global QoS	Yes
Interface	Jumbo frame length (MTU)	9216 bytes (interface configuration mode)
	EEE	Yes
	Cable test	Yes
IP Routing	IPv4 static route	Yes
	Maximum number of IPv4 static routes	500
	IPv6 static route	Yes
	Maximum number of IPv6 static routes	128
	OSPFv2	Yes
	OSPFv3	Yes
	IPv6 routing table size (network route)	128
IP Service	ARP	Yes
	Maximum number of ARP entries	2000
	IPv4 ping	Yes
	IPv4 traceroute	Yes
	ICMPv6	Yes
	IPv6 ping	Yes
	IPv6 traceroute	Yes
	DNS client	Yes

Software Specifications		RG-NBS5200-24GT4XS-P-V2
IP Service	DNSv6 client	Yes
	DHCP server	Yes
	DHCP relay	Yes
	DHCP client	Yes
	IPv4 routing table size (host route)	6000
Multicast	IGMPv1 snooping	Yes
	IGMPv2 snooping	Yes
	Basic IGMPv3 snooping	Yes
	Full IGMPv3 snooping	Yes
	IGMP filtering	Yes
	IGMPv1, v2, and v3	Yes
Network Management and Monitoring	Fan speed adjustment	Intelligent speed adjustment
	HTTP login	Yes
	HTTPS login	Yes
	SON	Yes
	Camera detection	Yes
	Syslog	Yes
	Client auto-discovery	Yes
	eWeb management	Yes
	Ruijie Cloud management	Yes
	Ruijie Reyee App management	Yes
	Loop alarm	Yes
	MAC address entries	Yes
	IP address pool conflicts	Yes
	Full ARP table	Yes

Software Specifications		RG-NBS5200-24GT4XS-P-V2
Network Management and Monitoring	PoE service failure	Yes
	PoE power overload	Yes
	SNMPv1, v2c, and v3	Yes
	RLOG	Yes
	Port mirroring	Yes
	Mirroring	Yes
Reliability	Number of VCS members	2
	System dual backup	Yes
	Uboot partition dual backup	Yes
Security	IP-MAC-port binding	Yes
	DHCP snooping	Yes
	Broadcast storm control	Yes
	Multicast storm control	Yes
	Unknown unicast storm control	Yes
	Standard ACL	Yes
	Extended MAC ACL	Yes
	Extended IP ACL	Yes
	IPv6 ACL	Yes
	Port isolation	Yes
	CPU Protection Policy	Yes
	IP source guard	Yes
	ARP anti-spoofing	Yes
	Maximum number of ACEs	Number of ACEs in the inbound direction of an interface: 1900 Number of ACEs in the outbound direction of an interface: 0
System Performance Capacity	Recommended camera limit	200 W H265: 350 400 W H265: 170

Package Content

Item	Quantity
Rack-mount bracket	2
Screw	6 M4 x 8 mm cross recessed countersunk head screws
User Manual	1
Warranty Card	1
Rubber pad	4
Device	1
Grounding cable	39.37 in. x 1
Power cord	59.06 in. x 1
Power cord retention clip	1

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