

52 Port Gigabit Managed Network Switch (48 Port PoE, 4 SFP)

RG-NBS31-48G4S-P



The RG-NBS31-48G4S-P is a PoE 52 port Gigabit Layer 2 managed network switch. The switch features 48 PoE+ ports plus 4 SFP ports with a 370W PoE budget supporting 802.3af and 802.3at, providing up to 30W power supply to the connected device. In addition, the switch will negotiate with the connected devices to adjust the PoE power automatically, thereby saving energy.



3-Year Manufacturer's Warranty

Refer to website for full terms & conditions

Features and Benefits

- » 52 port managed network switch with 48 ports PoE+ and 4 SFP ports supporting up to 104Gbps switching capacity
- » The free cloud service supports smart networking features, allowing users to auto-provision, deploy and manage devices remotely
- » Offers a 370W PoE budget and up to 30W per PoE port
- » Supports port status display, port traffic statistics and PoE port output power status
- » Supports port duplex/negotiation rate configuration and flow control configuration
- » Supports PoE output on/off L2 features: Support port mirroring, loop protection and cable detection



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Basic	
10/100/1000Base-T ports	48
SFP ports	4
SFP+ ports	-
PoE/PoE+ ports	48
Max. PoE budget	370W
Layer Type	Layer 2
Switching capacity	104 Gbps
Forwarding rate	77.37 Mpps
Packet Buffer	16Mbit
MAC address table	16,000
Maximum VLAN Support	4094
Dimensions (W x D x H)	440 mm x 357.6 mm x 43.6 mm
Weight (With package)	5.4 kg
MTBF	200,000
Warranty	5 Years
MAC capacity	8K
Static MAC address	16
VLAN	Support 802.1Q VLAN
Port management	Support port status display, port traffic statistics, PoE port output power status, port duplex / negotiation rate configuration, flow control configuration, PoE output on/off
Security	Support broadcast storm suppression, port speed limit, port isolation
L2 features	Support port mirroring, loop protection, cable detection
Management	Support management and configuration through web management interface, Ruijie Cloud platform and mobile app
Layer 2 Features	
Jumbo Frame	9216
Flow Control	Yes
STP (IEEE 802.1d)	Yes
RSTP (IEEE 802.1w)	Yes
MSTP (IEEE 802.1s)	-
Port Fast	Yes
BPDU Guard	Yes
Errdisable Recovery	Yes
Max. Aggregation Group	8

Max. Member per Group	8
Unknown Unicast Storm Suppression	Yes
Multicast / Broadcast Storm Suppression	Yes
Many-to-One Mirroring	Yes
VLAN Range	1-4094
Port-based VLAN	Yes
MAC-based VLAN	Yes
IP-based VLAN	Yes
Voice VLAN	Yes
RLLDP	Yes
LLDP / LLDP-MED	Yes
Cable Testing	Yes
IGMP Snooping v1/v2/v3	Yes
Software features	
Ping	Yes
Traceroute	Yes
ACL Entries	1200
IP Standard ACL	Yes
MAC-based Extended ACL	Yes
IP-based Extended ACL	Yes
Port-based Rate Limit (Ingress/Egress)	Yes
SNMP v1/v2c/v3	-
Web Management	Yes
Management IP	10.44.77.200
HTTP/HTTPS	Yes
Cloud Management	Yes
SON (Self-Organizing Network) with IP	Yes
Camera Recognition	Yes
Loop Prevention	Yes
Loop Notification	Yes
PoE Usage Alarm	Yes
Protection Port	Yes
IP Source Guard	Yes
Anti-ARP Spoofing	Yes
DHCP Snooping	Yes
DHCP Client	Yes
Physical Features	
Reset Button	Front
Reset Button	Yes
Power Supply Slot	Single, fixed power supply
Power Supplies	100 - 240V AC, 7A
Power Consumption	≤ 447.69W
EEE	Yes

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Fan	2
Fan Adaptive Speed Adjustment	Yes
Airflow	Left-to-Right
Acoustic Noise	< 45dB
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