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RG- NBS5100&5200 Series

Layer 3 Switches

Datasheet

V1.0

Ruijie Networks Co., Ltd.

INNOVATION
Beyond Networks

Product Photo

Fig 1 RG-NBS5100-24GT4SFP

Fig 2 RG-NBS5100-48GT4SFP

Technical Specifications

Model	RG-NBS5200-24GT4XS	RG-NBS5200-48GT4XS	RG-NBS5200-24SFP/8GT4XS	RG-NBS5100-24GT4SFP	RG-NBS5100-48GT4SFP
Fixed ports	24 10/100/1000Base-T ports, 4 SFP+ 10GBase-X ports, fixed single AC power supply	48 10/100/1000Base-T ports, 4 SFP+ 10GBase-X ports, fixed single AC power supply	24 SFP ports (SFP: 100/1000M ports), 8 combo 10/100/1000Base-T ports, 4 SFP+ 10GBase-X ports	24 10/100/1000Base-T ports, 4 SFP 1000Base-X ports, fixed single AC power supply	48 10/100/1000Base-T ports, 4 SFP 1000Base-X ports, fixed single AC power supply
Switching capacity	336Gbps	336Gbps	336Gbps	336Gbps	336Gbps
Packet forwarding rate	108Mpps	144Mpps	108Mpps	51Mpps	87Mpps
MAC address	Support static MAC address, MAC address filtering				
MAC address table size	16K				
Number of VLANs	4094				
Layer 3 aggregation ports	16				
Link aggregation	Support				
Port mirroring	Many-to-one mirroring				
Spanning tree	STP, RSTP				
LLDP	Support				
IP routing	Support static routing				

ACL	IP standard ACL
	MAC extended ACL
	IP extended ACL
	Port ACL for Layer 2 ports (physical port / AP)
QoS	Port-based speed limit (ingress/egress)
Security	Port protection
	Hardware CPP
Management	Web management, Ruijie Cloud platform or Ruijie Cloud app management
DHCP	DHCP snooping
EEE	Support
Physical specifications	
Dimensions	440x207.5x43.6mm	440×267.5×43.6mm	440x207.5x43.6 mm	440×267.5×43.6 mm
Temperature	Operating temperature: 0 ℃ ～ 50 ℃ Storage temperature: -40 ℃ ～ 70 ℃
Humidity	Operating humidity: 10% ~ 90% RH Storage humidity: 5% ~ 90% RH

Ordering Information

Model	Description
RG-NBS5200-24GT4XS	24 10/100/1000Base-T ports, 4 SFP+ 10GBase-X ports, support unified management via Ruijie Cloud app and Ruijie Cloud platform
RG-NBS5200-48GT4XS	48 10/100/1000Base-T ports, 4 SFP+ 10GBase-X ports, support unified management via Ruijie Cloud app and Ruijie Cloud platform
RG-NBS5200-24SFP/8GT4XS	24-port SFP switch (SFP: 100/1000Base-X ports), 8 combo 10/100/1000Base-T ports, 4 fixed SFP+ 10GBase-X ports, support unified management via Ruijie Cloud app and Ruijie Cloud platform
RG-NBS5100-24GT4SFP	24 10/100/1000Base-T ports, 4 SFP 1000Base-X ports, support unified management via Ruijie Cloud app and Ruijie Cloud platform
RG-NBS5100-48GT4SFP	48 10/100/1000Base-T ports, 4 SFP 1000Base-X ports, support unified management via Ruijie Cloud app and Ruijie Cloud platform