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# RG- NBS5100&5200 Series Layer 3 Switches Datasheet V1.0

Ruijie Networks Co., Ltd.

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

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