Reyee
by Ruijie

RG-NBS3100 Series
Layer 2 Switches
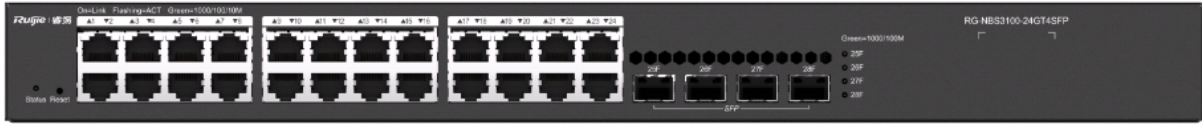## Datasheet

1 Product Photo

Fig 1 RG-NBS3100-24GT4SFP

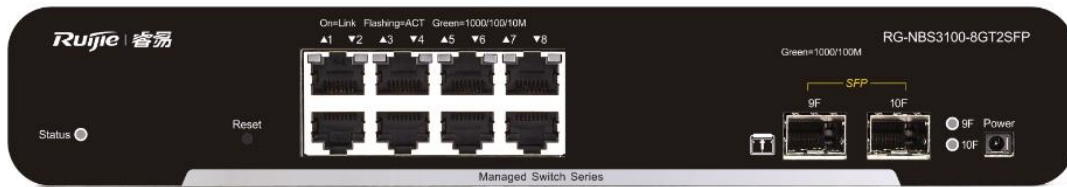

Fig 2 RG-NBS3100-8GT2SFP

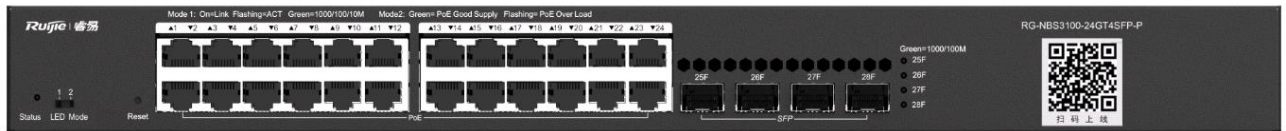Fig 3 RG-NBS3100-24GT4SFP-P

Fig 4 RG-NBS3100-8GT2SFP-P
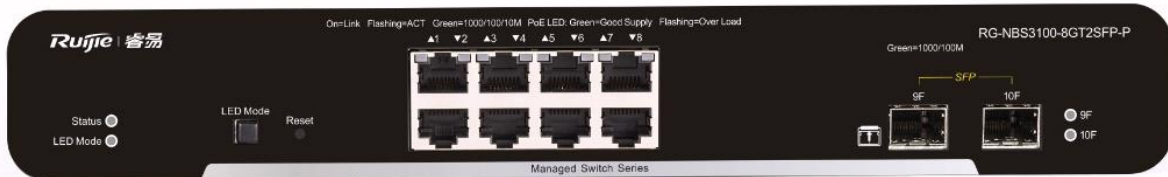
2 Product Overview

Ruijie Real-easy RG-NBS3100 Managed Switch Series consists 4 models of switches designed for SME customers to meet their different network needs including basic VLAN division and advanced security features such as ACL. The models with suffix -P support PoE, which can meet the PoE requirements of wireless APs, digital cameras and other devices in various scenarios.

3 Product Features

Flexible VLAN Division

In the office network, in order to isolate network access between different departments to avoid PCs infected by virus affecting the entire network, it is often necessary to divide the internal network into VLANs according to departments, floors, etc. to isolate the broadcast domain and improve the stability of the network. Ruijie Real-easy Series managed switches provide a convenient and flexible way to divide VLANs, allowing you to assign the ports to different VLANs as needed. Users in different VLANs do not affect each other, creating a more stable network for the users.

Surge Protection Ensuring Product Stability

The 6KV surge protection of the port reduces the probability of being damaged by surges and improves the customer's network stability.

MANET for Switches Allowing One-step Project Management

RG-NBS3100 can obtain the IP address automatically from the gateway and connect to the external network without configuration. It also supports MANET for switches. Users can scan the QR code of any switch in the network using the Ruijie Cloud app to automatically add all switches in the network to the project.

Ruijie Cloud App/ Ruijie Cloud Platform Remote Management

RG-NBS3100 not only supports web interface management, but also supports Ruijie Cloud app and Ruijie Cloud platform remote management. Users can view the network status, modify the configuration, and troubleshoot at home.

4 Technical Specifications

Model	RG-NBS3100-24GT4SFP	RG-NBS3100-8GT2SFP	RG-NBS3100-24GT4SFP-P	RG-NBS3100-8GT2SFP-P
Fixed ports	24 10/100/1000Base-T ports, 4 SFP 1000Base-X ports	8 10/100/1000Base-T ports, 2 SFP 1000Base-X ports	24 10/100/1000Base-T ports, 4 SFP 1000Base-X ports	8 10/100/1000Base-T ports, 2 SFP 1000Base-X ports
PoE/PoE+ Enabled ports	N/A		24	8
Maximum PoE output power per switch	N/A		370W	125W
IEEE802.3at IEEE802.3af	Not Support		Support	
Switching capacity	56Gbps	20Gbps	56Gbps	20Gbps
Packet forwarding rate	42Mpps	15Mpps	42Mpps	15Mpps
MAC address	Support static MAC address, MAC address filtering			
MAC address table size	8K			
Number of VLANs	4094			
Link aggregation	Support			
Port mirroring	Many-to-one mirroring			
Spanning tree	STP, RSTP			
LLDP	Support			
IP routing	N/A			
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 or Ruijie Cloud app management			
DHCP	DHCP snooping			
EEE	Support			
Physical specifications				
Dimensions	440×165×44mm	260x120x43.6mm	440×293×44mm	300x220x43.6mm
Temperature	Operating temperature: 0 ℃ ~ 50 ℃ Storage temperature: -40 ℃ ~ 70 ℃			
Humidity	Operating humidity: 10% ~ 90% RH Storage humidity: 5% ~ 90% RH			

5 Ordering Information

Model	Description
RG-NBS3100-24GT4SFP	24 10/100/1000Base-T ports, 4 SFP 1000Base-X ports, support unified management via Ruijie Cloud platform
RG-NBS3100-8GT2SFP	8 10/100/1000Base-T ports, 2 SFP 1000Base-X ports, support unified management via Ruijie Cloud platform
RG-NBS3100-24GT4SFP-P	24 10/100/1000Base-T ports (support PoE and PoE+), 4 SFP 1000Base-X ports, 370W PoE power, support unified management via Ruijie Cloud platform
RG-NBS3100-8GT2SFP-P	8 10/100/1000Base-T ports (support PoE and PoE+), 2 SFP 1000Base-X ports, 125W PoE power, support unified management via Ruijie Cloud platform