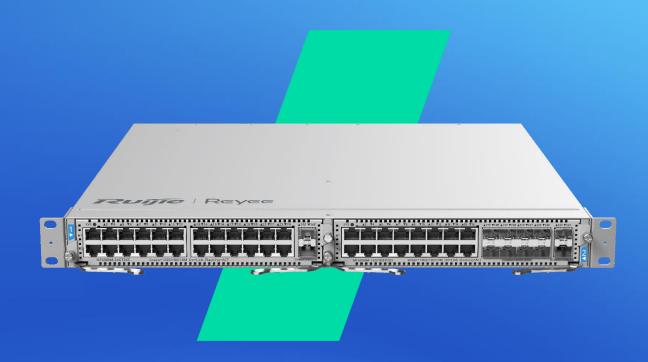


# RG-NBF6002M e-Lighten Layer 3 Managed Modular Switch

DATASHEET | Explore More >



#### Highlights

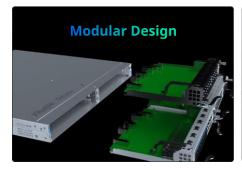
- Passive Optical Networking Support
- Core Switch + OLT 2-in-1 for Flexible Networking
- Dual-Slot Design for Flexible Expansion
- Supports Up to 320 e-Lighten APs/Access Switches
- 10G Uplink
- Free Layer 3 Cloud Management

#### Highlight Features







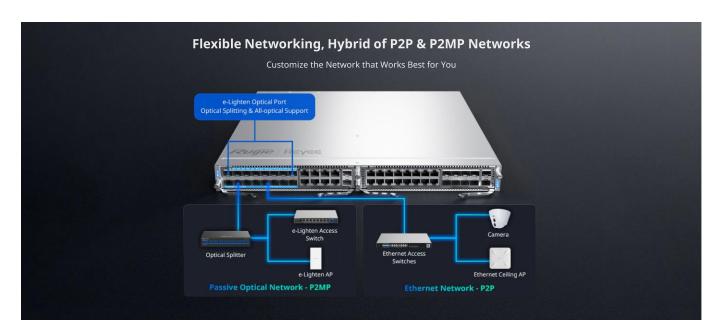


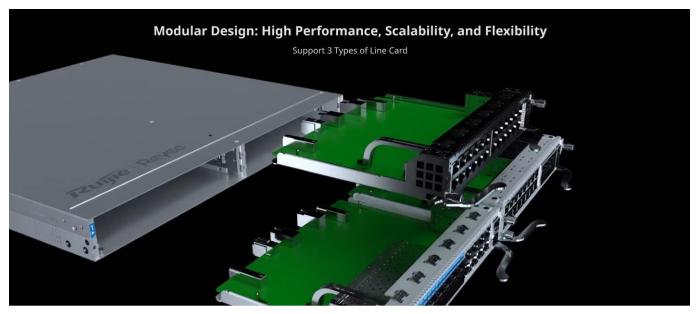


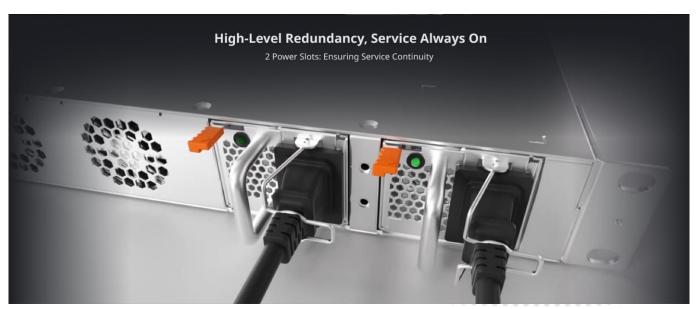




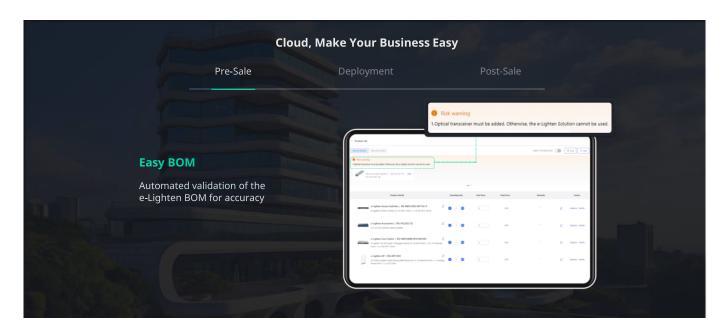
## Highlight Features

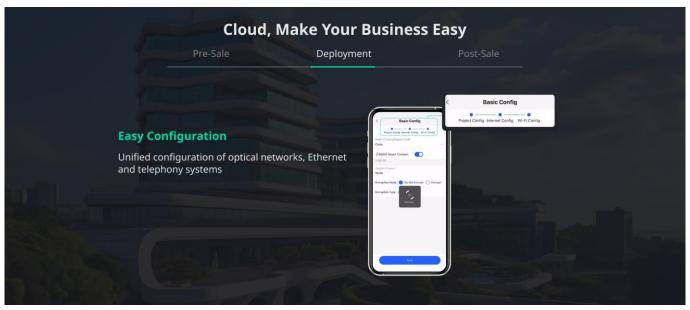


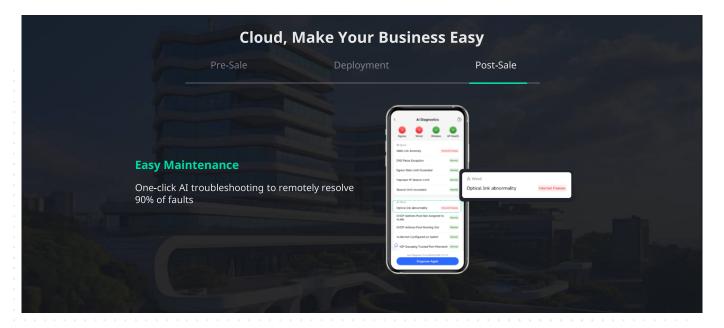




#### Highlight Features







## Specifications

Model	RG-NBF6002M	
	Basic	
Line Card	NO	
Chassis	Yes	
Number of Line Card Slots	2	
Number of Management Ports	1 x 10/100/1000BASE-T MGMT port	
Recommended Client Limits	1200	
Recommended Camera Limits	200W H265:800 400W H265:400 800W H265:200	
PoE Support	NO	
Switching Capacity	216Gbps	
Forwarding Rate	132Mpps	
Port Surge Protection	Common 6 kV	
Operating Temperature	0°C to 50°C (32°F to 122°F)	
Operating Humidity	10% to 90% RH	
Mounting	Rack-mount	
Hardware Specifications		
Number of Fans	3	
PON/Ethernet Optical Transceiver Auto- Sensing	Yes	
1G PON Optical Transceivers	Yes	
2.5G PON Optical Transceivers	NO	
10G PON Optical Transceivers	NO	
Number of ONUs per 1G PON Port	32	

Model	RG-NBF6002M	
Number of ONUs of All 1G PON Ports per Device	320	
Max. Number of PON Ports per Device	16	
Layer 2 Isolation for ONUs Connected to the Same OLT Port (disabled by default)	Yes	
Static Bandwidth Allocation (SBA): Fixed Bandwidth for ONUs	Yes	
Dynamic Bandwidth Allocation (DBA):  Maximum Bandwidth for ONUs	Yes	
OLT Displaying OLT Optical Transceiver Info (Temperature/Voltage/Current/Tx Power/Rx Power/Port Mode)	Yes	
OLT Displaying ONU Optical Transceiver Info (Temperature/Voltage/Current/Tx Power/Rx Power/Port Mode)	Yes	
ONU Optical Transceiver Exception Reporting on OLT (Abnormal Temperature, Voltage, Current, and Tx/Rx Power)	Yes	
OLT Automatically Connecting ONUs	Yes	
Software Features		
VLAN	Yes	
Max. Number of VLANs	4094	
Port Mirroring	Yes	
Port Aggregation (Link Aggregation)	Yes	
802.1X Authentication	Yes	
RIP	Yes	
ACL	Yes	
Port Flow Control	Yes	
Quality of Service (QoS)	NO	
Network Management Support	Yes	

Model	RG-NBF6002M
Virtual Cluster Switching (VCS)	Yes
Layer 3 Support	Yes
Voice VLAN	NO
Hardware-based CPU Protection Policy (CPP)	Yes
Network Foundation Protection Policy (NFPP)	NO
Ruijie Rapid Link Detection Protocol (RLDP)	Yes
IPv6	Yes
Management via Ruijie Reyee App	Yes
Management via Web Interface	Yes
Management via Ruijie Cloud	Yes

## Line Card & Service Module

MF6000M-16FS8GT2XS	16 x 1G PON/SFP Ports + 8 x 1G Ethernet Ports + 2 x 10G SFP+ Ports
MF6000M-16GT8SFP2XS	16 x 1G Ethernet Ports + 8 x 1G SFP Ports + 2 x 10G SFP+ Ports
MF6000M-24GT2XS	24 x 1G Ethernet Ports + 2 x 10G SFP+ Ports





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