

RG-NBS3300 Series

RG-NBS3300 Series Multi-Gigabit Layer 2 Cloud Managed Switch



RG-NBS3300-16MG4XS-HP

16-Port Multi-Gigabit Layer 2 Managed Switch, 4 x SFP+ Uplink Ports



2.5G Ports for
Wi-Fi 6/7 APs



4 x PoE++
Ports



PoE Budget
370 W



4 x 10G SFP+
Uplink Ports



Multiple Security
Policies

RG-NBS3300-8MG2XS-P

8-Port Multi-Gigabit Layer 2 Managed Switch, 2 x SFP+ Uplink Ports



2.5G Ports for
Wi-Fi 6/7 APs



PoE Budget
240 W

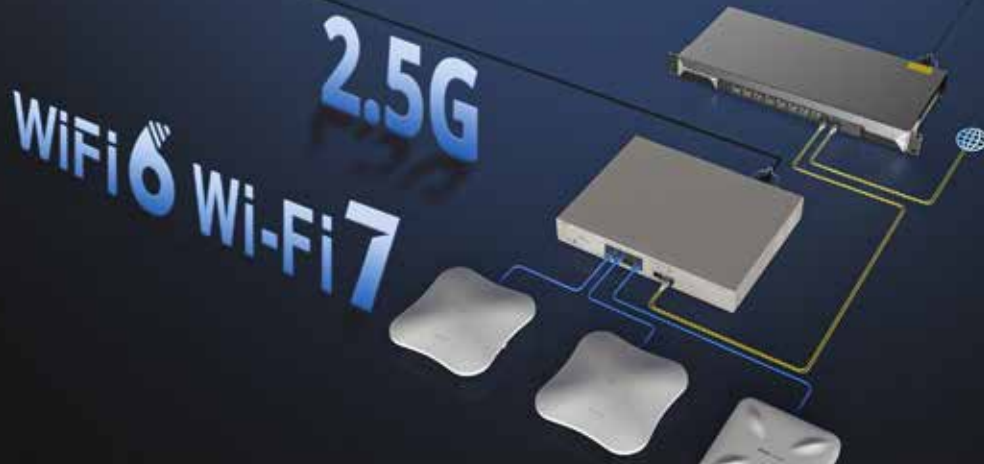


2 x 10G SFP+
Uplink Ports

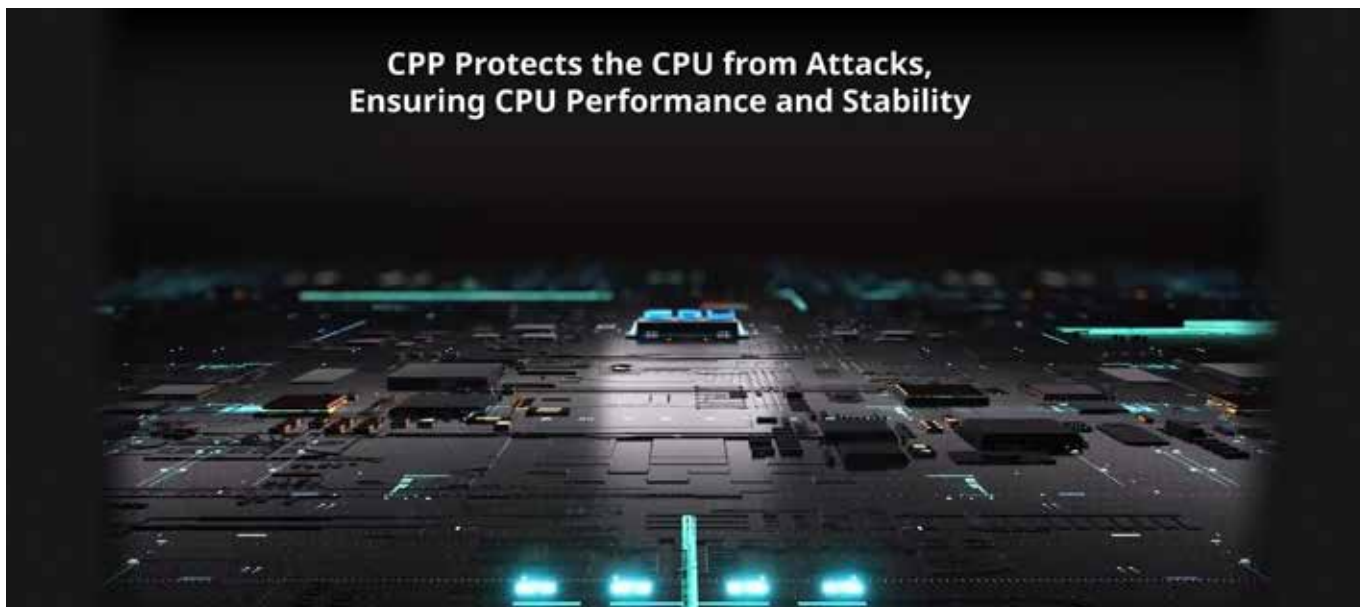


Multiple Security
Policies

Integration with Wi-Fi 6/7 APs,
Boosting Network Performance and Efficiency



CPP Protects the CPU from Attacks, Ensuring CPU Performance and Stability



Enterprise-grade Quality Ensures High Performance

[Link Aggregation](#) [IGMP Snooping](#) [VLAN](#)



CPP protects the CPU from attacks, ensuring CPU performance and stability



01 Product Specifications

Hardware Specifications

Hardware Specifications	RG-NBS3300-16MG4XS-HP	RG-NBS3300-8MG2XS-P
Number of 10/100/1000/2500Base-T Ports	16	8
Number of 10 Gbps Optical Ports (SFP+)	4	2
Number of PoE/PoE+ Ports	12	8
Number of PoE/PoE+/PoE++ Ports	4	N/A
Number of Fans	2	2
Power Supply Options	Single fixed power supply	Single fixed power supply
Forwarding Rate	119.04Mpps	58.72Mpps
Switching Capacity	160Gbps	80Gbps
MAC Address Table Size	16000	16000
ARP Table Size	1000	1000
Number of ACEs	In-1900 Out-0	In-1900 Out-0
Dimensions (W x D x H)	440mm x 267.5mm x 43.6mm	300mm x 233mm x 43.6mm
Power Supply	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 6A	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 4.5A
Power Consumption	No PoE load: <40W; Full PoE load: <460W	No PoE load: <27W; Full PoE load: <278W
Max. PoE Power Budget	370W	240W
Output Power	Vout=54V(7.6A),P=409W	Vout=54V(5.4A),P=290W
Airflow	Left to back	Left to right
Operating Temperature	0 to 50°C	0 to 50°C
Storage Temperature	-40 to 70°C	-40 to 70°C
Operating Humidity	10% to 90% RH(non-condensing)	10% to 90% RH(non-condensing)

Hardware Specifications	RG-NBS3300-16MG4XS-HP	RG-NBS3300-8MG2XS-P
Storage Humidity	5% to 95% RH(non-condensing)	5% to 95% RH(non-condensing)
Port Surge Protection	Common Mode 6 kV	Common Mode 6 kV
Power Supply Surge Protection	Common Mode 6kV Differential Mode 6kV	Common Mode 6kV Differential Mode 6kV
Net Weight	3.6kg	2.64kg
Gross Weight	5.24kg(packages included)	3.45kg(packages included)
Certification	CE; FCC	CE; FCC

Software Specifications

Software Specifications		RG-NBS3300-16MG4XS-HP	RG-NBS3300-8MG2XS-P
Ethernet Switching	Jumbo Frame	9216 Bytes(Global MTU)	
	VLAN	802.1Q VLAN	
		Port-based VLAN	
		Voice VLAN	
	STP	STP (IEEE 802.1d)	
		RSTP (IEEE 802.1w)	
	LLDP	LLDP	
		LLDP-MED	
IP Service	ARP	ARP	
	DHCP	DHCP Snooping	
		DHCP Client	
Multicast	IGMP	IGMP Snooping(Internet Group Management Protocol Snooping)	
		IGMP Snooping v1	
		IGMP Snooping v2	
		IGMP Snooping v3(Basic)	
		MVR mode (The user port can only be configured as an access port.)	

Software Specifications		RG-NBS3300-16MG4XS-HP	RG-NBS3300-8MG2XS-P
Multicast	IGMP	IGMP Filtering	
		IGMP Fast Leave	
ACL and QoS	ACL	IP Standard ACL	
		MAC Extended ACL	
		IP Extended ACL	
		IPv6 ACL	
	QoS	Port-Level Rate Limiting (Ingress/Egress)	
Security	802.1X	IEEE 802.1X Authentication	
		Port-based Authentication	
		MAC-based Authentication	
		Global IEEE 802.1X Authentication Control	
		Port Mandatory Authentication	
		Port Optional Authentication	
		Port-based Single-host Mode	
		Supports PEAP Authentication Modes for Windows 7/8/10/11 Clients	
		Supports PEAP Authentication Modes for macOS Clients	
		Supports PEAP Authentication Modes for Linux OS Clients	
	Web Management	Web Authentication	
		HTTP	
		HTTPS	
	IP+MAC Port Binding	IP+MAC Port Binding	
	Anti-ARP Spoofing	Anti-ARP Spoofing	
	IP Source Guard	IP Source Guard	
	CPU Protection Policy (CPP)	Hardware CPP	

Software Specifications		RG-NBS3300-16MG4XS-HP	RG-NBS3300-8MG2XS-P
Reliability	RLDP	RLDP	
NMS and maintenance	SPAN	SPAN	
	NTP	NTP Client	
	SNMP	SNMP v1	
		SNMP v2c	
		SNMP v3	
	MQTT	MQTT	
	Self-Organizing Network	Self-Organizing Network	
	MACC	Ruijie Cloud Management	
		View Device Details on Ruijie Cloud	

02 Ordering Information

Model	Description
RG-NBS3300-16MG4XS-HP	16x 10/100/1000/2500Base-T copper ports , 4 x SFP+ ports (non-combo), (1-4 ports support PoE/PoE+/PoE++)support full PoE load and half PoE+ load. Fixed single power supply
RG-NBS3300-8MG2XS-P	8x 10/100/1000/2500Base-T copper ports , 2 x SFP+ ports (non-combo), support full PoE load and full PoE+ load. Fixed single power supply
Mini-GBIC-GT	1000BASE-GT mini GBIC conversion module
MINI-GBIC-SX-MM850	1000BASE-SX, SFP transceiver, SM (850 nm, 500 m, LC)
MINI-GBIC-LX-SM1310	1000BASE-LX, SFP transceiver, SM (1310 nm, 10 km, LC)
MINI-GBIC-LH40-SM1310	1000BASE-LH, SFP transceiver, SM (1310 nm, 40 km, LC)
MINI-GBIC-ZX80-SM1550	1000BASE-ZX80, SFP transceiver, SM (1550 nm, 80 km, LC)
GE-SFP-LX20-SM1310-BIDI	SFP BiDi transceiver-Tx1310/Rx1550, 20 km, LC
GE-SFP-LX20-SM1550-BIDI	SFP BiDi transceiver-Tx1550/Rx1310, 20 km, LC
GE-SFP-LH40-SM1310-BIDI	SFP BiDi transceiver-Tx1310/Rx1550, 40 km, LC
GE-SFP-LH40-SM1550-BIDI	SFP BiDi transceiver-Tx1550/Rx1310, 40 km, LC
XG-SFP-SR-MM850	10G LC fiber module, applicable to SFP+ ports, max cabling distance: 300 m
XG-SFP-LR-SM1310	10G LC fiber module, applicable to SFP+ ports, max cabling distance: 10 km
XG-SFP-ER-SM1550	10G LC fiber module, applicable to SFP+ ports, max cabling distance: 40 km

03 Package Content

RG-NBS3300-16MG4XS-HP

Item	Quantity
RG-NBS3300-16MG4XS-HP switch	1
Mounting brackets	2
M4 x 8 mm Philips countersunk screws	8
User Manual	1
Rubber feet	4
Warranty Card	1
Power cord	1
Yellow/green ground wire	1
Power cord retention clip	1

RG-NBS3300-8MG2XS-P

Item	Quantity
RG-NBS3300-8MG2XS-P switch	1
Mounting brackets	2
M3 x 6 mm Philips countersunk screws	8
User Manual	1
Rubber feet	4
Warranty Card	1
Power cord	1
Yellow/green ground wire	1
Power cord retention clip	1

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For more information, visit www.ruijienetworks.com or call 86-400-620-8818.