Ruijie | Reyee

DATASHEET

RG-ES116G

16-port 10/100/1000Mbps Unmanaged Non-PoE Switch



Highlights

- 16-port 10/100/1000 Mbps unmanaged non-PoE switch
- Unmanaged switch, which is visible on Ruijie Cloud APP
- Large buffer for smooth data transmission
- High network reliability
- High-quality design
- Adaptation to various scenarios

Date: 2026.5.14

Highlight Features

Unmanaged Switch, Which Is Visible on Ruijie Cloud*

* If an unmanaged switch needs to be visualized on Ruijie Cloud, at least one managed switch needs to be deployed on the same network



High-quality Makes Network Reliable

Stable without frequent reboot



Fanless, Quiet

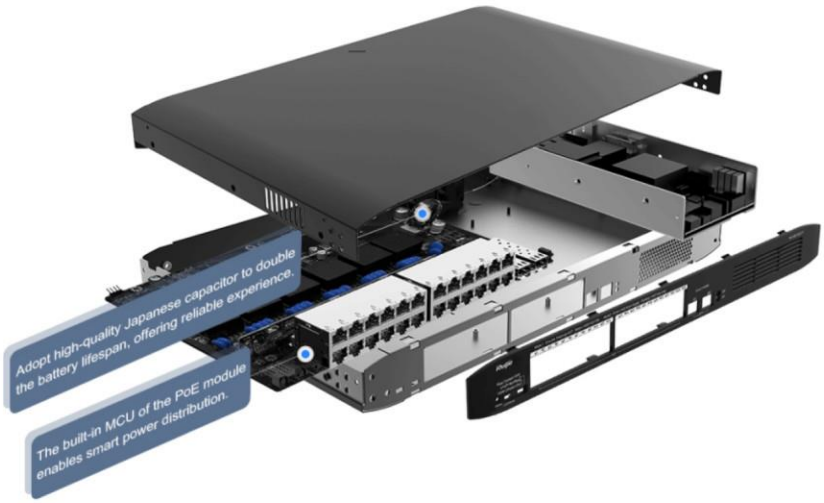
Green (802.3az)

Energy Saving

Highlight Features

Better Quality Design

Strict standards in PCB design and component selection



Designed for Various Scenarios









Product Information

Model	RG-ES116G
Product Category	Layer 2

Hardware Specifications

Model	RG-ES116G
Product Information	
Warranty	3 years
Port Specifications	
Total number of RJ45 ports	16
Number of 10/100/1000BASE-T ports	16
Ultra-long-haul transmission	Yes
DIP switch	Switchover in four modes: 1. Flow Control On 2. Flow Control Off 3. Port Isolation When port isolation is enabled, ports 1-14 are isolated from each other, but can communicate with ports 15 and 16. 4. Extend Data Transmission-10Mbps: When this mode is enabled, ports 1–8 have a reduced speed of 10 Mbps, with a transmission distance of up to 250 m (820.21 ft.). If compatibility is considered, some ports may not deliver such a transmission distance.
Power Supply and Consumption	
Power input	220 V AC power supply: ● Rated input voltage: 100 V AC to 240 V AC, 50 Hz to 60 Hz ● Maximum input voltage: 90 V AC to 264 V AC, 47 Hz to 63 Hz ● Rated input current: 0.6 A
Maximum power consumption	11 W
Power supply	Single fixed power supply
System Specifications	
Flash memory	1 MB
Forwarding rate	23.80 Mpps

Hardware Specifications

Model	RG-ES116G
Switching capacity	32 Gbps(bit/s)
Dimensions and Weight	
Casing	Metal
Product dimensions (W x D x H)	280 mm x 126 mm x 44 mm (11.02 in. x 4.96 in. x 1.73 in.)
Weight	1.01 kg (2.23 lbs) (without packaging materials)
Shipping weight	1.70 kg (3.75 lbs)
Environment and Reliability	
Fan	Fanless design
Cooling	Natural cooling
Acoustic noise	No
Mounting options	Rack
Hot swapping of cables	Hot swapping supported by the service port and power connector
MTBF	200,000 hours
Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	–40°C to +70°C (–40°F to +158°F)
Operating humidity	10% RH to 90% RH (non-condensing)
Storage humidity	5% RH to 95% RH (non-condensing)
Altitude	Operating altitude: –500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.) Storage altitude: –500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)
ESD protection	Air discharge: 8 kV Contact discharge: 6 kV
Surge protection	Service port: ±4 kV for common mode Power connector: ±6 kV for common mode and ±6 kV for differential mode
Certification and Regulatory Compliance	
EMC	EN 55032 EN IEC 61000-3-2

Hardware Specifications

Model	RG-ES116G
	EN 61000-3-3 EN 55035 EN 300 386
Safety compliance	EN 62368-1 IEC 62368-1
Certification	CE, CB

Software Specifications

Model	RG-ES116G
Security	
Port isolation	ports 1-14 are isolated from each other, but can communicate with ports 15 and 16.

Package Contents

Model	RG-ES116G
Accessories	
Rubber pad	4
Screw	8 X M3 x 6 mm cross recessed countersunk head screws
Rack-mount bracket	2
Manual	
User Manual	1
Warranty Card	1

Ruijie | Reyee

Redefine your easy network

Ruijie Networks Co., Ltd.

Official Website: https://Reyee.Ruijie.com