

RG-ES116G-L

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



Highlights

- 16-port 10/100/1000 Mbps unmanaged non-PoE switch
- Unmanaged switch, which is visible on Ruijie Cloud
- Secure and stable CCTV network
- High-quality design
- Applicable to various scenarios

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

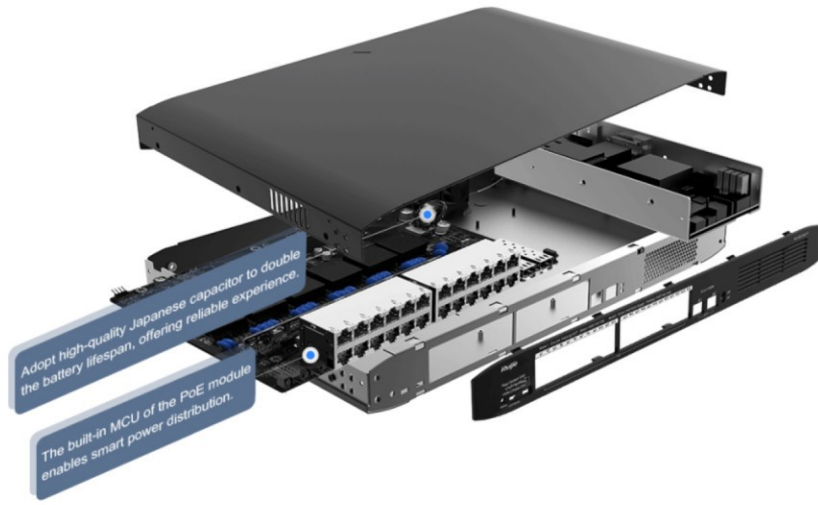
Stable without frequent reboot



Highlight Features

Better Quality Design

Strict standards in PCB design and component selection



Designed for Various Scenarios



Product Information

Model	RG-ES116G-L
Product Category	Layer 2

Hardware Specifications

Model	RG-ES116G-L
Product Information	
Warranty	3 years
Port Specifications	
Total number of RJ45 ports	16
Number of 10/100/1000BASE-T ports	16
DIP switch	<p>Default Mode: all ports can communicate with each other, and flow control is enabled on all ports.</p> <p>Flow Control Off Mode : all ports can communicate with each other, and traffic control is disabled on all ports.</p> <p>Isolation Mode: ports 1 to 14 cannot communicate with each other, but can communicate with ports 15 and 16. Ports 15 and 16 can communicate with each other. The flow control function is enabled for all ports.</p>
Power Supply and Consumption	
Power input	<p>220 V AC power supply:</p> <ul style="list-style-type: none">• 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	Fixed power supply
System Specifications	
Flash memory	4 MB
Forwarding rate	23.8 Mpps
Switching capacity	32 Gbps(bit/s)
Dimensions and Weight	

Hardware Specifications

Model	RG-ES116G-L
Casing	Metal
Product dimensions (W x D x H)	280 mm x 125 mm x 43.6 mm (11.02 in. x 4.92 in. x 1.72 in.)
Weight	1.05 kg (2.31 lbs) (without packaging materials) 1.78 kg (3.92 lbs) (with packaging materials)
Shipping weight	1.78 kg (3.92 lbs)
Environment and Reliability	
Fan	Fanless design
Cooling	Natural cooling
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	-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 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386
Safety compliance	EN 62638-1
Certification	CE, FCC

Software Specifications

Model	RG-ES116G-L
Ethernet Switching	
Maximum number of MAC address entries	8000
Interface flow control	Yes
LLDP	No
LLDP-MED	No
Static aggregation	No
LACP	No
Interface	
Jumbo frame length (MTU)	10000 bytes
IP Service	
IPv4 ping	No
IPv4 traceroute	No
ICMPv6	No
IPv6 ping	No
IPv6 traceroute	No
Multicast	
IGMPv1 snooping	No
IGMPv2 snooping	No
Basic IGMPv3 snooping	No
Full IGMPv3 snooping	No
IGMP filtering	No
Security	
Port isolation	Yes

Software Specifications

Model	RG-ES116G-L
System Performance Capacity	
Recommended camera limit	200W H265: 40 400W H265: 20

Package Contents

Model	RG-ES116G-L
Accessories	
Rubber pad	4
Screw	6 X M4 x 8 mm cross recessed countersunk head screws
Rack-mount bracket	2
Manual	
User Manual	1
Warranty Card	1

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