

# RG-ES106F-P

## 6-Port 10/100 Mbps Unmanaged PoE Switch



### Highlights

- 6-port 10/100 Mbps unmanaged PoE switch
- Unmanaged switch, which is visible on Ruijie Cloud
- Intelligent and secure CCTV network
- Intelligent PoE Management
- High-quality design
- Adaptation to various scenarios

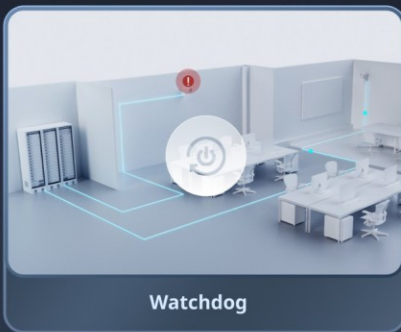
# Highlight Features

## 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



## Intelligent and Secure CCTV Network



Watchdog



Extend Mode



Port Isolation



PoE Auto Recovery



250 Meters Transmission



Flexible Extend mode



Higher Security

# Highlight Features

## Intelligent PoE Management

Fit for various powered devices up to 30W

5W MAX  
Wall AP

9W MAX  
IP Camera

12.95W MAX  
Ceiling AP

24W MAX  
IP PTZ Camera



## High-quality Makes Network Reliable

Stable without frequent reboot



 Fanless, Quiet

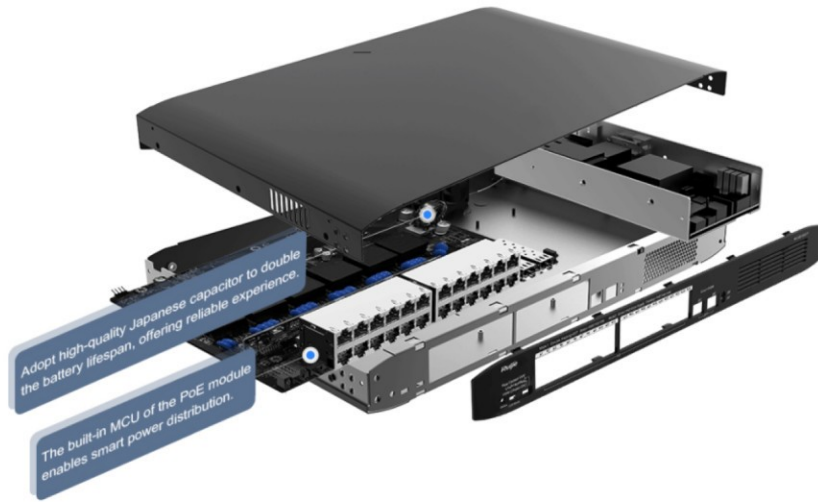
 Green (802.3az)

 Energy Saving

# Highlight Features

## Better Quality Design

Strict standards in PCB design and component selection



## Designed for Various Scenarios



## Product Information

<b>Model</b>	<b>RG-ES106F-P</b>
<b>Product Category</b>	Layer 2

## Hardware Specifications

<b>Model</b>	<b>RG-ES106F-P</b>
<b>Product Information</b>	
<b>Warranty</b>	3 years
<b>Port Specifications</b>	
<b>Total number of RJ45 ports</b>	6
<b>Number of 10/100BASE-T ports</b>	6
<b>Ultra-long-haul transmission</b>	Yes
<b>DIP switch</b>	<p>Extend mode: The rate of Ports 1 to 4 is reduced to 10 Mbps, but the maximum transmission distance can be up to 200 meters (Cat5e cables required). Flow control on.</p> <p>Default mode: All ports can communicate with each other. Flow control on.</p> <p>Isolation mode: Ports 1 to 4 cannot communicate with each other, but they can communicate with ports 5 and 6. Flow control on.</p>
<b>Power Supply and Consumption</b>	
<b>PoE Out standard</b>	PoE/PoE+ (IEEE 802.3af/at)
<b>Number of PoE Out ports</b>	4
<b>Number of PoE/PoE+ Out ports</b>	4
<b>PoE budget</b>	54 W
<b>PoE power pins</b>	1-2 (+), 3-6 (-)
<b>Power input</b>	<p>220 V AC power supply:</p> <ul style="list-style-type: none"><li>• Rated input voltage: 100 V AC to 240 V AC, 50 Hz to 60 Hz</li><li>• Maximum input voltage: 90 V AC to 264 V AC, 47 Hz to 63 Hz</li><li>• Rated input current: 2 A</li></ul>
<b>Maximum power consumption</b>	<p>6 W (with no PoE load)</p> <p>60 W (with PoE full load)</p>

# Hardware Specifications

Model	RG-ES106F-P
Power supply	Fixed power supply
<b>System Specifications</b>	
CPU	GD32E230G8U6, single-core processor , 72 MHz clock frequency
Flash memory	2 MB
Forwarding rate	0.8 Mpps
Switching capacity	1.2 Gbps(bit/s)
<b>Dimensions and Weight</b>	
Casing	Metal
Product dimensions (W x D x H)	166 mm x 132.6 mm x 43 mm (6.54 in. x 5.22 in. x 1.69 in.)
Weight	0.65 kg (1.43 lbs) (without packaging materials) 0.96 kg (2.12 lbs) (with packaging materials)
Shipping weight	0.96 kg (2.12 lbs)
<b>Environment and Reliability</b>	
Fan	Fanless design
Cooling	Natural cooling
Mounting options	Wall/Desk
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

# / Hardware Specifications

Model	RG-ES106F-P
Surge protection	Service port: $\pm 4$ kV for common mode Power connector: $\pm 6$ kV for common mode and $\pm 6$ kV for differential mode
<b>Certification and Regulatory Compliance</b>	
EMC	EN 55032 EN 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386
Safety compliance	EN 62638-1
Certification	CE

# Software Specifications

Model	RG-ES106F-P
<b>Basic Configurations</b>	
PoE watchdog	Yes
<b>Ethernet Switching</b>	
Maximum number of MAC address entries	2000
Interface flow control	Yes
LLDP	No
LLDP-MED	No
<b>Interface</b>	
Jumbo frame length (MTU)	2048 bytes
<b>IP Service</b>	
IPv4 ping	No
IPv4 traceroute	No
ICMPv6	No
IPv6 ping	No
IPv6 traceroute	No
<b>Multicast</b>	
IGMPv1 snooping	No
IGMPv2 snooping	No
Basic IGMPv3 snooping	No
Full IGMPv3 snooping	No
IGMP filtering	No
<b>Security</b>	
Port isolation	Yes

# Software Specifications

Model	RG-ES106F-P
<b>System Performance Capacity</b>	
<b>Recommended camera limit</b>	200W H265: 20 400W H265: 10

## Package Contents

Model	RG-ES106F-P
<b>Device</b>	
<b>Device</b>	1
<b>Accessories</b>	
<b>Power cord</b>	1 x 0.8 m (2.62 ft.), 1 x 1 m (3.28 ft.), 1 x 1.2 m (3.94 ft.) or 1 x 1.5 m (4.92 ft.) Note: There are four power cord lengths. Please refer to the actual delivery.
<b>Manual</b>	
<b>User Manual</b>	1
<b>Warranty Card</b>	1

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