

# RG-ES118FGS-LP

16-Port 10/100 Mbps with 2-Port  
10/100/1000 Mbps, 2 Combo Ports  
Unmanaged PoE Switch



## Highlights

- 16-port 10/100 Mbps with 2-port 10/100/1000 Mbps, 2 combo ports unmanaged PoE switch
- Unmanaged switch, which is visible on Ruijie Cloud
- Intelligent and secure CCTV network
- Intelligent PoE Management
- High-quality design

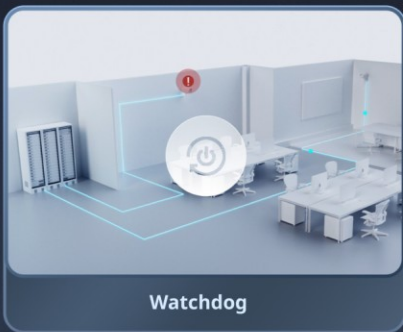
# Highlight Features

## 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



## High-quality Makes Network Reliable

Stable without frequent reboot



 Fanless, Quiet

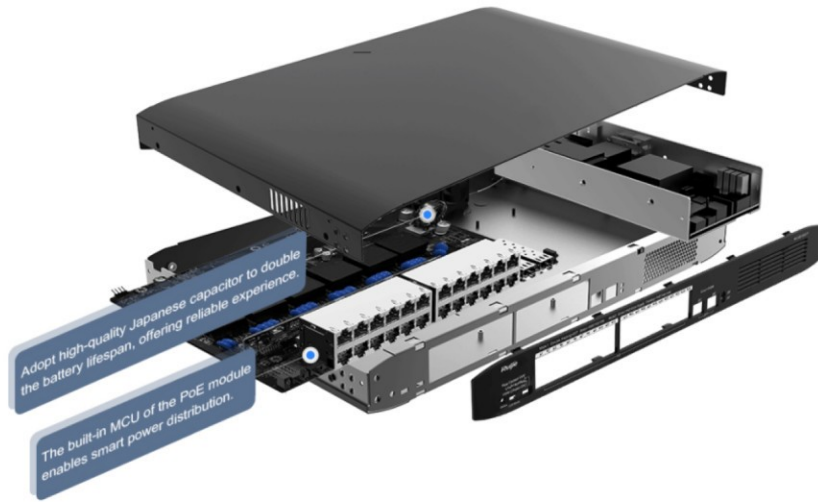
 Green (802.3az)

 Energy Saving

# Highlight Features

## Better Quality Design

Strict standards in PCB design and component selection



## Designed for Various Scenarios



## / Product Information

| Model            | RG-ES118FGS-LP |
|------------------|----------------|
| Product Category | Layer 2        |

## / Hardware Specifications

| Model                               | RG-ES118FGS-LP  |
|-------------------------------------|---|
| <b>Product Information</b>          |   |
| Warranty                            | 3 years   |
| <b>Port Specifications</b>          |   |
| Total number of RJ45 ports          | 18  |
| Total number of optical ports       | 2   |
| Number of 1GE combo ports           | 2   |
| Number of 1GE SFP ports             | 2   |
| Number of 10/100BASE-T ports        | 16  |
| Number of 10/100/1000BASE-T ports   | 2   |
| Ultra-long-haul transmission        | Yes   |
| DIP switch                          | <p>Extend mode: The rate of Ports 1 to 8 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 16 cannot communicate with each other, but they can communicate with ports 17 and 18. Flow control on.</p> |
| <b>Power Supply and Consumption</b> |   |
| PoE Out standard                    | PoE/PoE+ (IEEE 802.3af/at)  |
| Number of PoE Out ports             | 16  |
| Number of PoE/PoE+ Out ports        | 16  |
| PoE budget                          | 120 W   |

# Hardware Specifications

| Model                              | RG-ES118FGS-LP   |
|------------------------------------|--|
| PoE power pins                     | 1-2 (+), 3-6 (-)   |
| Power input                        | 220 V AC power supply: <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: 3 A</li></ul> |
| Maximum power consumption          | 10 W (with no PoE load)<br>130 W (with PoE full load)  |
| Power supply                       | Fixed power supply   |
| <b>System Specifications</b>       |  |
| Flash memory                       | 4 MB   |
| Forwarding rate                    | 5.3 Mpps   |
| Switching capacity                 | 7.2 Gbps(bit/s)  |
| <b>Dimensions and Weight</b>       |  |
| Casing                             | Metal  |
| Product dimensions (W x D x H)     | 440 mm x 214.9 mm x 44 mm (17.32 in. x 8.46 in. x 1.73 in.)  |
| Weight                             | 2.46 kg (5.42 lbs) (without packaging materials)<br>3 kg (6.61 lbs) (with packaging materials)   |
| Shipping weight                    | 3 kg (6.61 lbs)  |
| <b>Environment and Reliability</b> |  |
| Fan                                | Fanless design   |
| Cooling                            | Natural cooling  |
| Acoustic noise                     | < 40 dB: 25°C(77°F)  |
| 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)   |

# / Hardware Specifications

| Model  | RG-ES118FGS-LP   |
|--|--|
| 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<br>Contact discharge: 6 kV   |
| Surge protection                               | Service port: $\pm 4$ kV for common mode<br>Power connector: $\pm 6$ kV for common mode and $\pm 6$ kV for differential mode |
| <b>Certification and Regulatory Compliance</b> |  |
| EMC  | EN 55032<br>EN 61000-3-2<br>EN 61000-3-3<br>EN 55035<br>EN 300 386   |
| Safety compliance                              | EN 62638-1   |
| Certification                                  | CE, FCC  |

# Software Specifications

| Model                                 | RG-ES118FGS-LP |
|---------------------------------------|----------------|
| <b>Basic Configurations</b>           |                |
| PoE watchdog                          | Yes            |
| <b>Ethernet Switching</b>             |                |
| Maximum number of MAC address entries | 8000           |
| Interface flow control                | Yes            |
| LLDP                                  | No             |
| LLDP-MED                              | No             |
| Static aggregation                    | No             |
| LACP                                  | 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             |

# Software Specifications

| Model                              | RG-ES118FGS-LP                 |
|------------------------------------|--------------------------------|
| <b>Security</b>                    |                                |
| Port isolation                     | Yes                            |
| <b>System Performance Capacity</b> |                                |
| Recommended camera limit           | 200W H265: 40<br>400W H265: 20 |

## Package Contents

| Model                     | RG-ES118FGS-LP                                       |
|---------------------------|--|
| <b>Accessories</b>        |  |
| <b>Screw</b>              | 6 X M4 x 8 mm cross recessed countersunk head screws |
| <b>Rack-mount bracket</b> | 2  |
| <b>Manual</b>             |  |
| <b>User Manual</b>        | 1  |
| <b>Warranty Card</b>      | 1  |

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