

# RG-ES228GS-P

## 28-Port Gigabit Smart Cloud Managed PoE Switch



### Highlights

- 28-port gigabit managed switch with 24 PoE+ Ports, 2 RJ45 Ports, 2 SFP Ports
- Cost-effective smart cloud managed switches
- IP Camera Recognition, unique value for CCTV network
- Automatic Loop Prevention ensures service continuity
- Lifetime management on Ruijie Cloud at anytime anywhere

# Highlight Features

## RG-ES200 Series Switches

Gigabit access switch fits the needs in SMB network



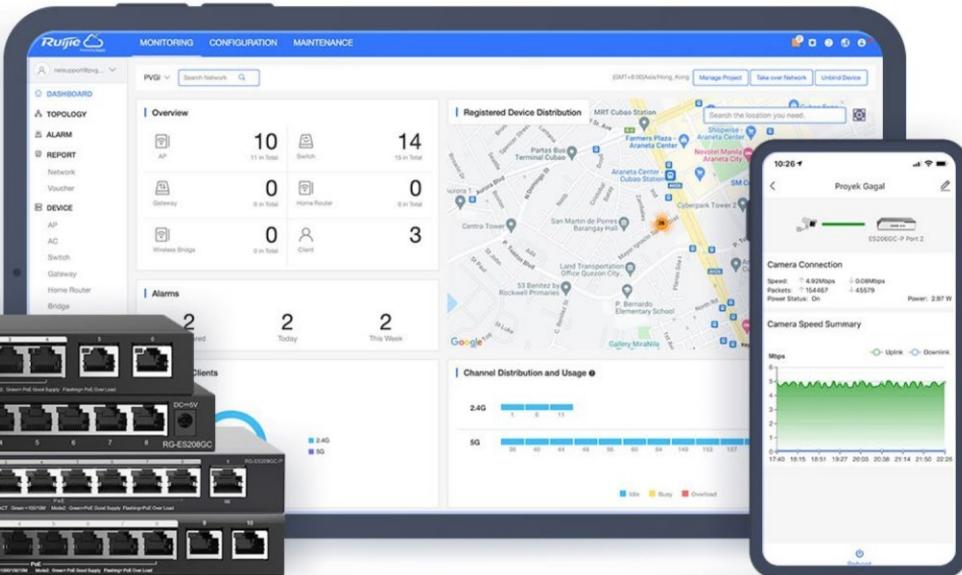
802.3at / 802.3af

Abundant Application Scenarios

Centralized Cloud Management

## Cost-Effective Smart Cloud Managed Switches

ES200 adopts a light-weighted Cloud management design, providing faster response to support richer features.



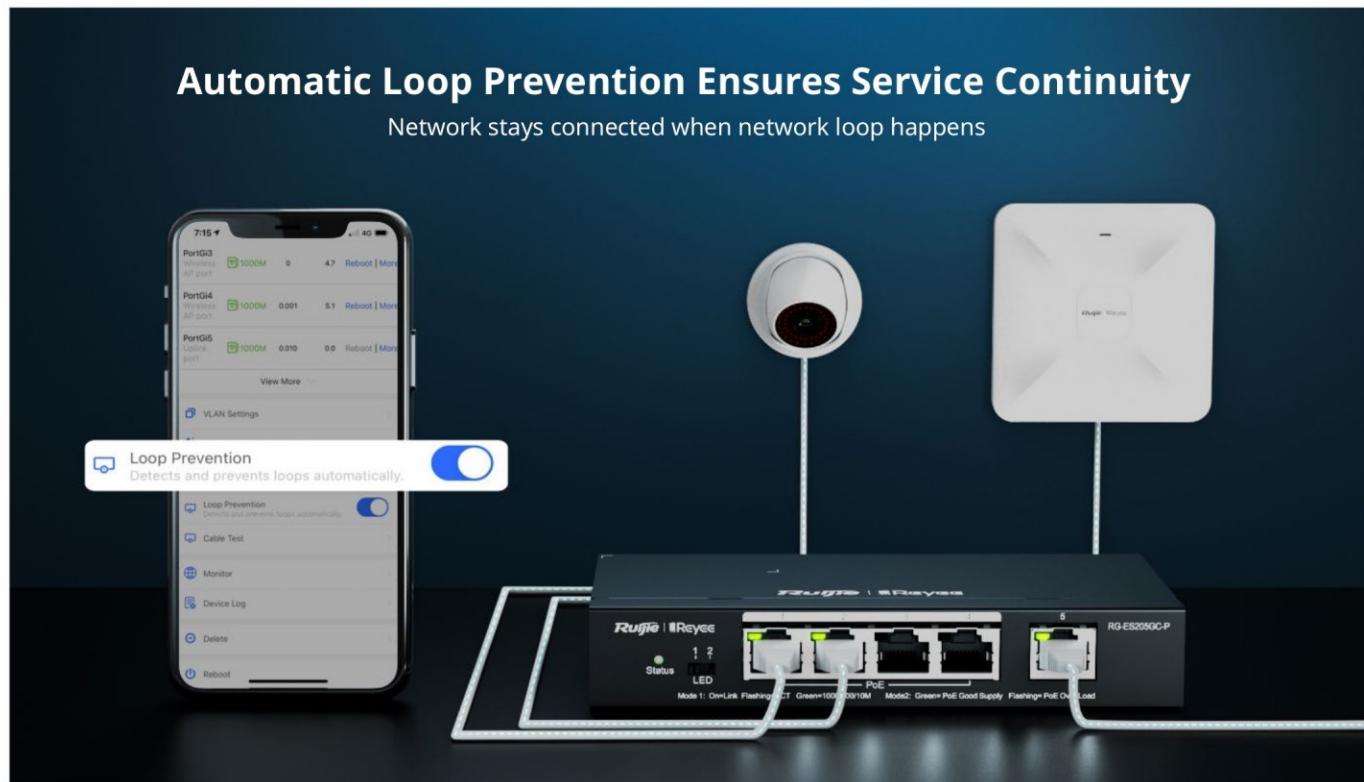
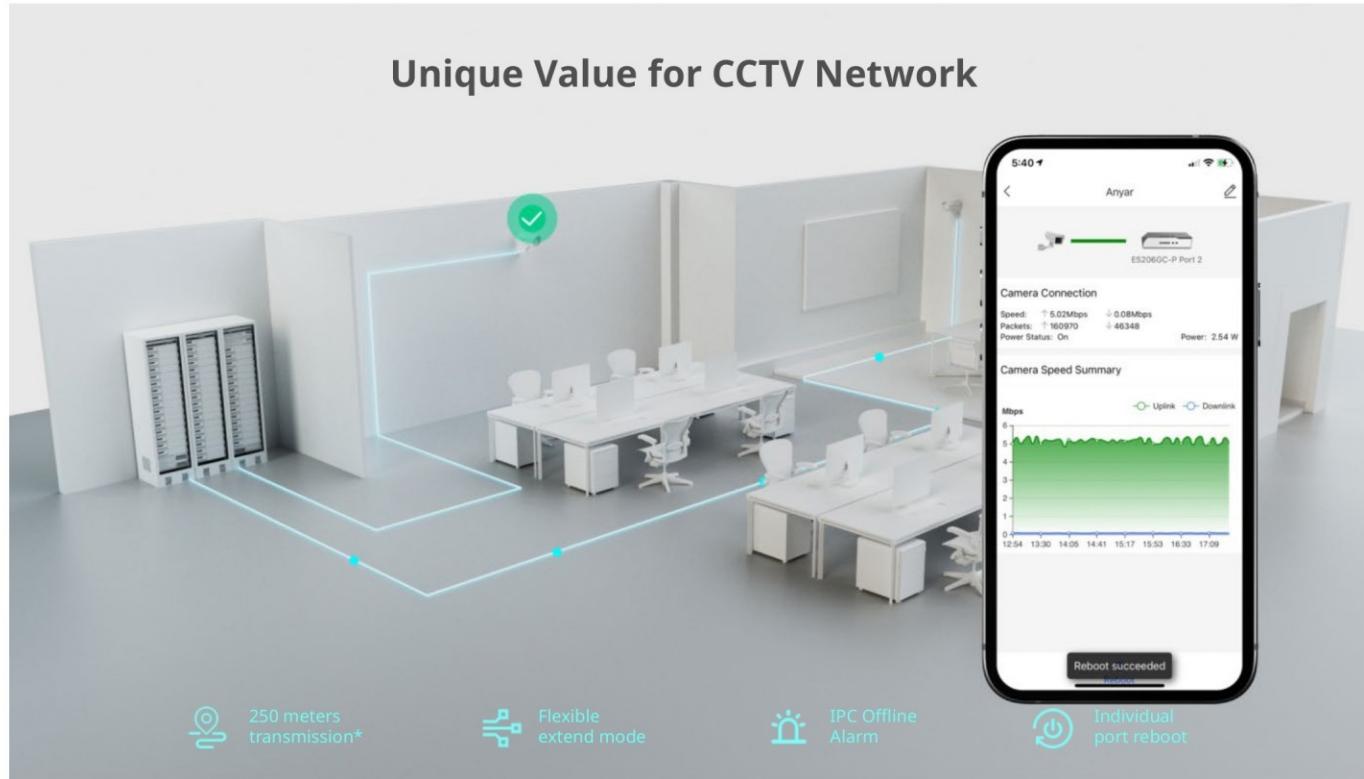
IP Camera/NVR recognition

Automatic Loop Prevention

Mobile VLAN Configuration

Intelligent PoE Adaptive

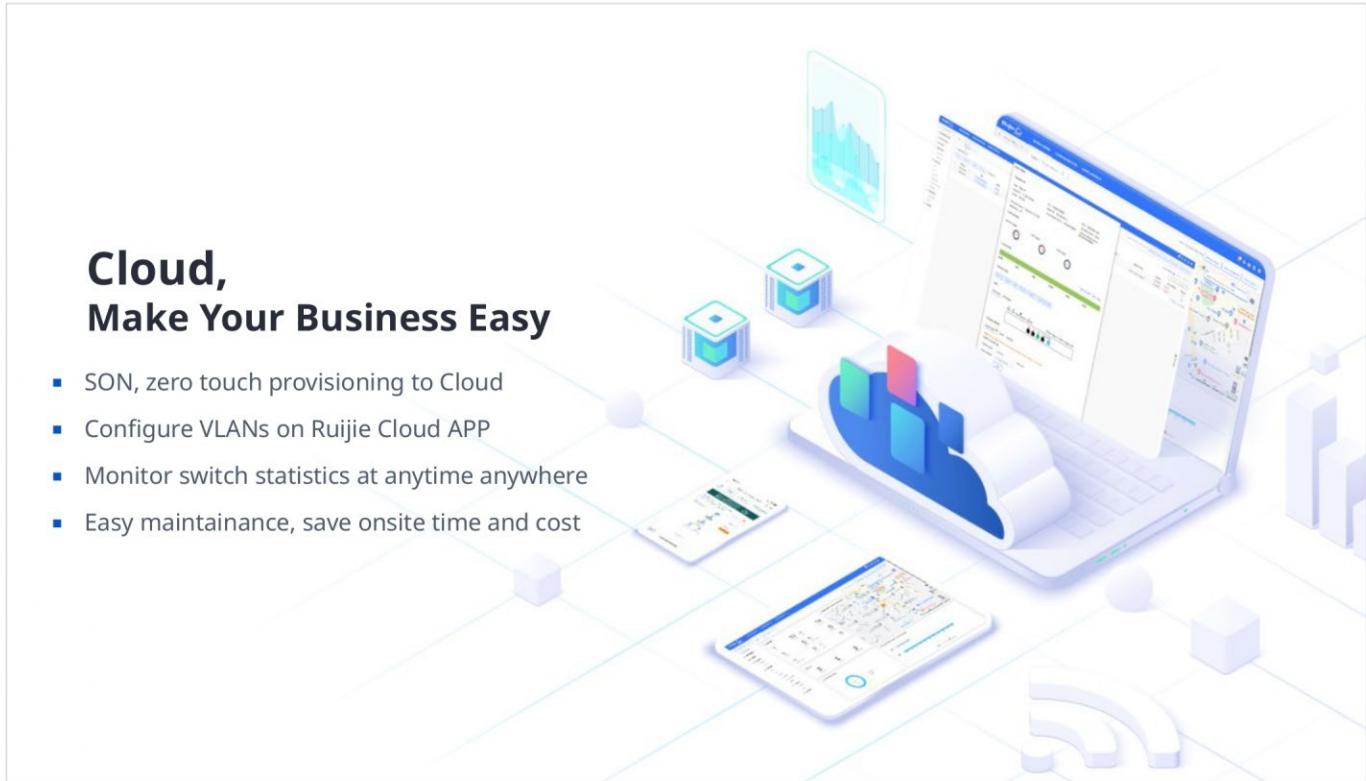
# Highlight Features



## / Highlight Features

### Cloud, Make Your Business Easy

- SON, zero touch provisioning to Cloud
- Configure VLANs on Ruijie Cloud APP
- Monitor switch statistics at anytime anywhere
- Easy maintainance, save onsite time and cost



# Product Information

Model	RG-ES228GS-P
Product Category	Layer 2

# Hardware Specifications

Model	RG-ES228GS-P
<strong>Product Information</strong>	
Warranty	3 years
<strong>Port Specifications</strong>	
Total number of RJ45 ports	26
Total number of optical ports	2
Number of 1GE SFP ports	2
Number of 10/100/1000BASE-T ports	26
Reset button	1
<strong>Power Supply and Consumption</strong>	
PoE Out standard	PoE/PoE+ (IEEE 802.3af/at)
Number of PoE Out ports	24
Number of PoE/PoE+ Out ports	24
PoE budget	370 W
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: 6 A</li></ul>
Maximum power consumption	25 W (with no PoE load) 400 W (with PoE full load)
Power supply	Fixed power supply
<strong>System Specifications</strong>	

# Hardware Specifications

Model	RG-ES228GS-P
Flash memory	8 MB
Forwarding rate	41.6 Mpps
Switching capacity	56 Gbps(bit/s)
Dimensions and Weight	
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	2.84 kg (6.26 lbs) (without packaging materials) 4 kg (8.12 lbs) (with packaging materials)
Shipping weight	4 kg (8.12 lbs)
Environment and Reliability	
Fan	1 x fixed fan
Cooling	Air cooling, front-to-rear airflow
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 40°C (32°F to 104°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	

## Hardware Specifications

Model	RG-ES228GS-P
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-ES228GS-P
<b>Authentication</b>	
<b>RADIUS</b>	No
<b>802.1X authentication</b>	No
<b>Basic Configurations</b>	
<b>PoE watchdog</b>	Yes
<b>Online upgrade</b>	Yes
<b>Ethernet Switching</b>	
<b>Maximum number of VLANs</b>	16
<b>Maximum number of MAC address entries</b>	8000
<b>Interface flow control</b>	Yes
<b>IEEE 802.1Q VLAN</b>	Yes
<b>VLAN configuration supported on LAN ports</b>	Yes
<b>LLDP</b>	No
<b>LLDP-MED</b>	No
<b>Static MAC address</b>	Yes
<b>Static aggregation</b>	No
<b>LACP</b>	No
<b>Inbound or outbound rate limiting based on interface traffic</b>	Yes
<b>Gateway Features</b>	
<b>802.1p priority-based traffic classification</b>	No
<b>DSCP priority-based traffic classification</b>	No
<b>Interface</b>	

# Software Specifications

Model	RG-ES228GS-P
<b>Jumbo frame length (MTU)</b>	10000 bytes
<b>EEE</b>	Yes
<b>Cable test</b>	Yes
<b>IP Routing</b>	
<b>IPv4 static route</b>	No
<b>IPv6 static route</b>	No
<b>OSPFv2</b>	No
<b>OSPFv3</b>	No
<b>IP Service</b>	
<b>ARP</b>	No
<b>IPv4 ping</b>	No
<b>IPv4 traceroute</b>	No
<b>ICMPv6</b>	No
<b>IPv6 ping</b>	No
<b>IPv6 traceroute</b>	No
<b>DNS client</b>	Yes
<b>DHCP client</b>	Yes
<b>Multicast</b>	
<b>IGMPv1 snooping</b>	No
<b>IGMPv2 snooping</b>	No
<b>Basic IGMPv3 snooping</b>	No
<b>Full IGMPv3 snooping</b>	No
<b>IGMP filtering</b>	No
<b>IGMPv1, v2, and v3</b>	No

# Software Specifications

Model	RG-ES228GS-P
<b>Network Management and Monitoring</b>	
<b>Fan speed adjustment</b>	Automatic speed adjustment
<b>Mirroring</b>	Yes
<b>HTTP login</b>	Yes
<b>HTTPS login</b>	No
<b>SON</b>	Yes
<b>Syslog</b>	No
<b>Camera detection</b>	Yes
<b>eWeb management</b>	Yes
<b>Ruijie Cloud management</b>	Yes
<b>Ruijie Reyee App management</b>	Yes
<b>SNMPv1, v2c, and v3</b>	No
<b>Security</b>	
<b>Port isolation</b>	Yes
<b>Broadcast storm control</b>	Yes
<b>Multicast storm control</b>	Yes
<b>Unknown unicast storm control</b>	Yes
<b>DHCP snooping</b>	Yes
<b>Standard ACL</b>	No
<b>Extended MAC ACL</b>	No
<b>Extended IP ACL</b>	No
<b>IPv6 ACL</b>	No
<b>ARP anti-spoofing</b>	No
<b>CPU Protection Policy</b>	Yes

## Software Specifications

Model	RG-ES228GS-P
<b>System Performance Capacity</b>	
<b>Recommended camera limit</b>	200W H265: 80 400W H265: 40

## Package Contents

Model	RG-ES228GS-P
<b>Accessories</b>	
<b>Rubber pad</b>	4
<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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**Ruijie Networks Co., Ltd.**  
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