Ruijie | Reyee

DATASHEET

RG-ES228GS-LP

28-Port Gigabit Smart Cloud Managed PoE Switch



Highlights

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

Date: 2025.9.28

Highlight Features

RG-ES200 Series Switches

Gigabit access switch fits the needs in SMB network



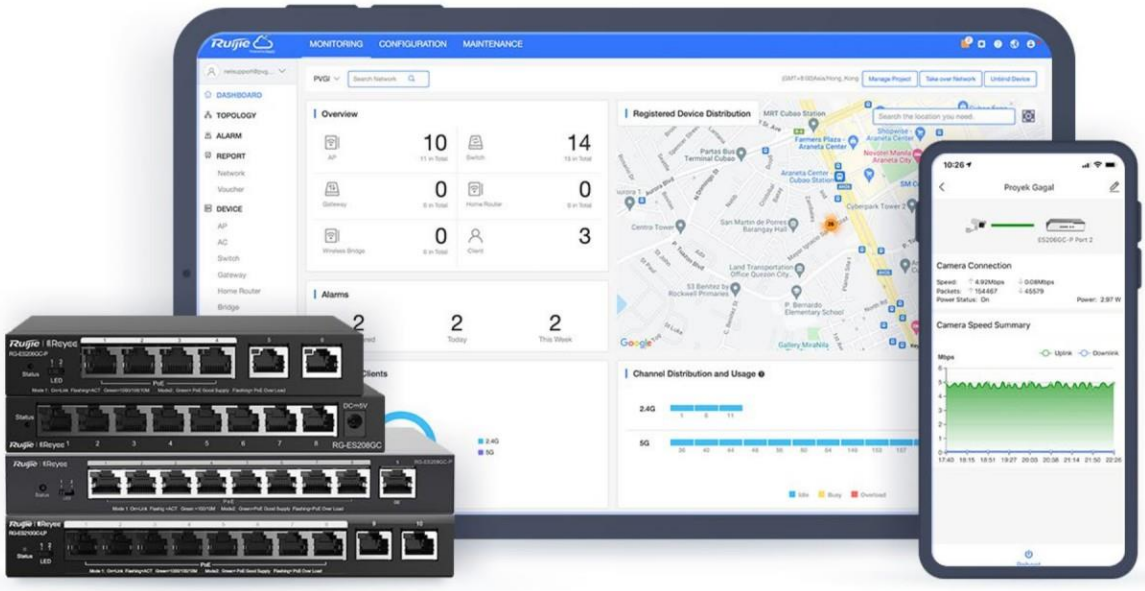
802.3at / 802.3af

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.



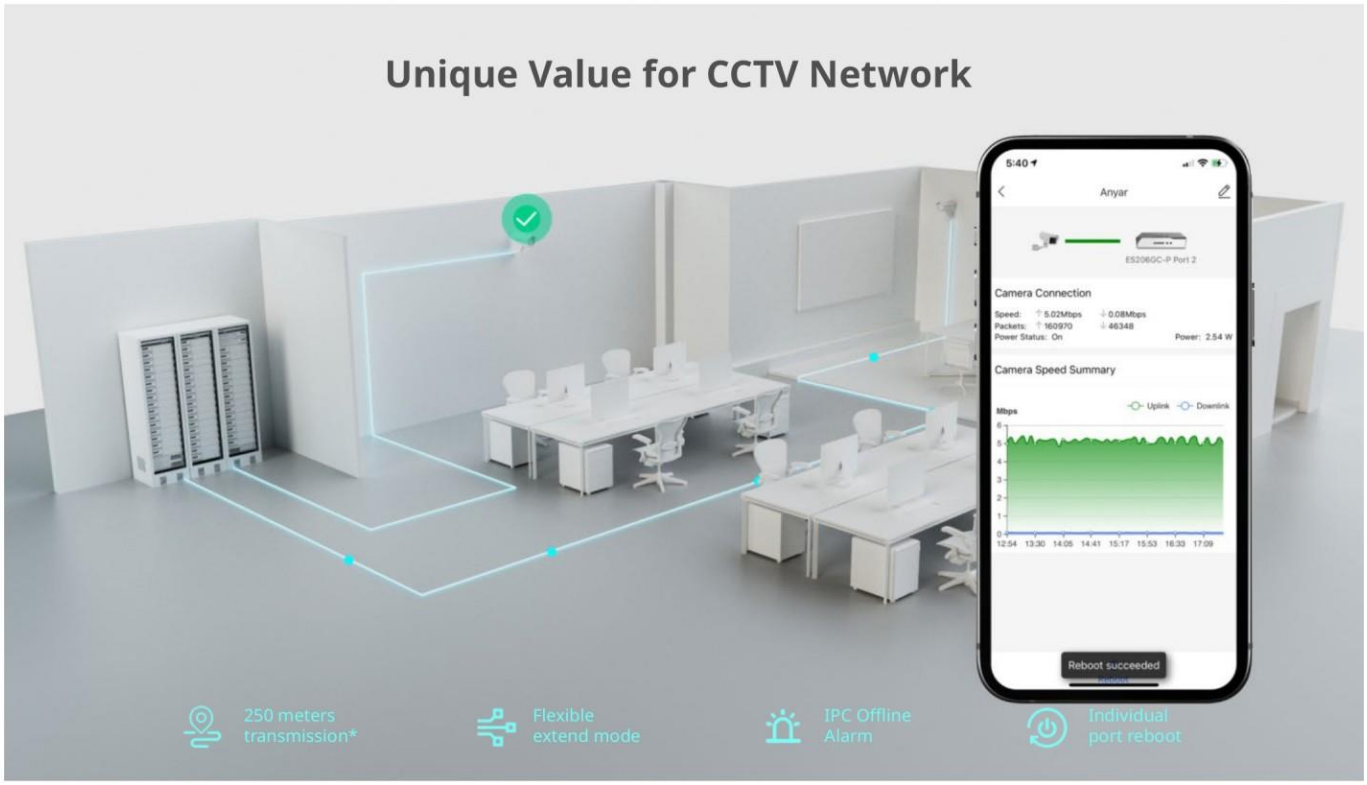
IP Camera/NVR recognition

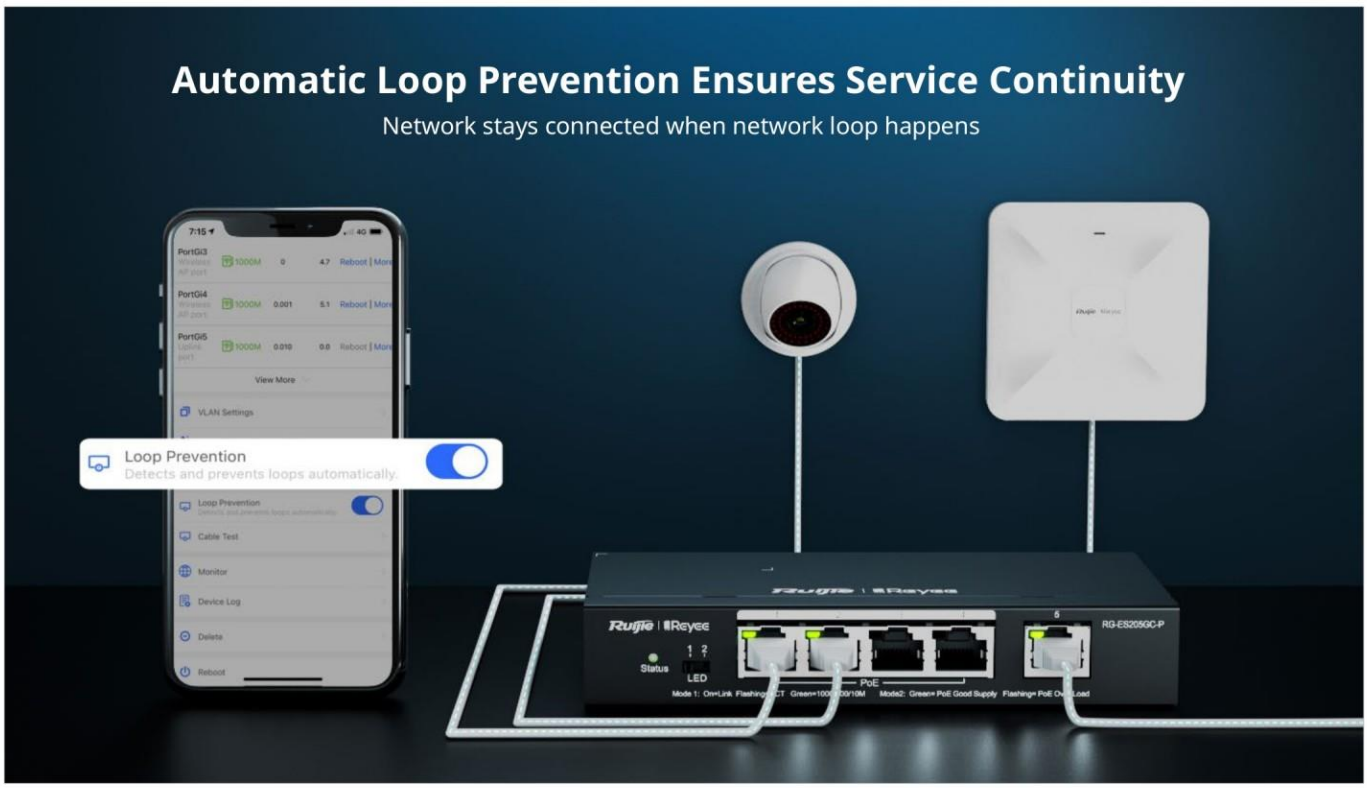
Automatic Loop Prevention

Mobile VLAN Configuration

Intelligent PoE Adaptive

Highlight Features

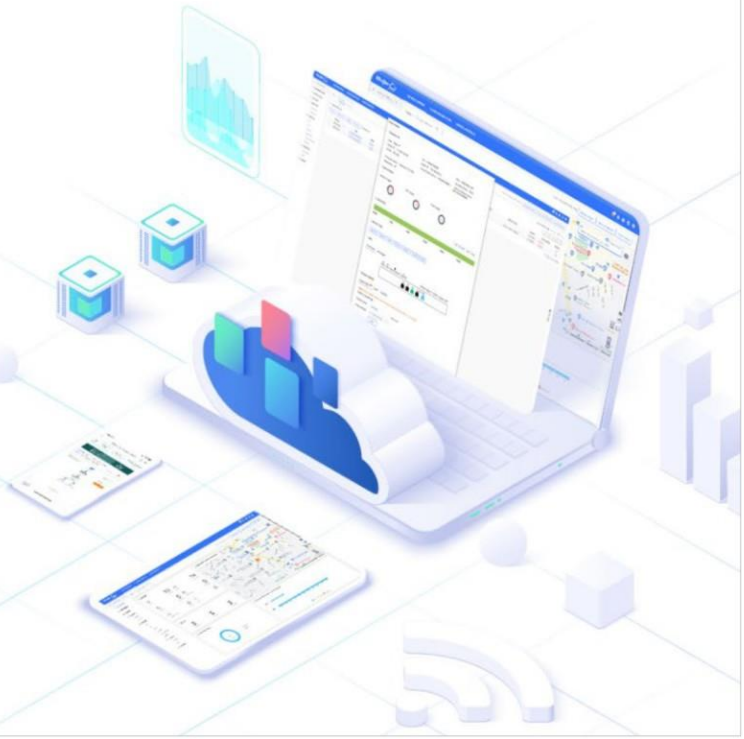




Highlight Features

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-LP
Product category	Layer 2

Hardware Specifications

Model	RG-ES228GS-LP
System Specifications	
CPU	MAC chip, single-core processor, 500 MHz clock frequency
Flash memory	8 MB
Forwarding rate	41.66 Mpps
Switching capacity	56 Gbps(bit/s)
Port Specifications	
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
Power Supply and Consumption	
PoE Out standard	PoE/PoE+ (IEEE 802.3af/at)
Number of PoE Out ports	24
Number of PoE/PoE+ Out ports	24
PoE budget	250 W
PoE power pins	1–2 (+), 3–6 (-)
Power input	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: 6 A

Hardware Specifications

Model	RG-ES228GS-LP
Maximum power consumption	Less than 21 W with no PoE load (110 V) Less than 20 W with no PoE load (220 V) Less than 302 W with PoE full load (110 V) Less than 294 W with PoE full load (220 V)
Power supply	Fixed power supply
Environment and Reliability	
Fan	1 x fixed fan
Cooling	Air cooling, front-to-rear airflow
Acoustic noise	< 40 dB: 25℃ (77°F)
Mounting options	Desk/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: ±6 kV for common mode Power connector: ±6 kV for common mode and ±6 kV for differential mode
Dimensions and Weight	
Casing	Metal
Product dimensions (W x D x H)	440 mm x 214.9 mm x 43.2 mm (17.32 in. x 8.46 in. x 1.70 in.)
Weight	2.80 kg (6.17 lbs) (without packaging materials) 3.85 kg (8.49 lbs) (with packaging materials)
Shipping weight	3.85 kg (8.49 lbs)
Certification and Regulatory Compliance	

Hardware Specifications

Model	RG-ES228GS-LP
EMC	EN 55032 EN 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386
Safety compliance	EN 62638-1
Certification	CE, CB
Product Information	
Warranty	3 years

Software Specifications

Model	RG-ES228GS-LP
Ethernet Switching	
Maximum number of VLANs	16
Maximum number of MAC address entries	8000
Interface flow control	Yes
IEEE 802.1Q VLAN	Yes
LLDP	No
LLDP-MED	No
Static MAC address	Yes
Inbound or outbound rate limiting based on interface traffic	Yes
Authentication	
RADIUS	No
802.1X authentication	No
Multicast	
IGMPv1 snooping	No
IGMPv2 snooping	No
Basic IGMPv3 snooping	No
Full IGMPv3 snooping	No
IGMP filtering	No
IGMPv1, v2, and v3	No
IP Service	
ARP	No
IPv4 ping	No
IPv4 traceroute	No

Software Specifications

Model	RG-ES228GS-LP
ICMPv6	No
IPv6 ping	No
IPv6 traceroute	No
DNS client	Yes
DHCP client	Yes
Basic Configurations	
PoE watchdog	Yes
Online upgrade	Yes
Security	
Port isolation	Yes
Broadcast storm control	Yes
Multicast storm control	Yes
Unknown unicast storm control	Yes
DHCP snooping	Yes
Standard ACL	No
Extended MAC ACL	No
Extended IP ACL	No
IPv6 ACL	No
ARP anti-spoofing	No
CPU Protection Policy	Yes
IP Routing	
IPv4 static route	No
IPv6 static route	No
OSPFv2	No

Software Specifications

Model	RG-ES228GS-LP
OSPFv3	No
Interface	
Jumbo frame length (MTU)	10000 bytes
EEE	Yes
Cable test	Yes
Network Management and Monitoring	
Fan speed adjustment	Automatic speed adjustment
Mirroring	Yes
HTTP login	Yes
HTTPS login	Yes
SON	Yes
Syslog	No
Camera detection	Yes
eWeb management	Yes
Ruijie Cloud management	Yes
Ruijie Reyee App management	Yes
SNMPv1, v2c, and v3	No
Gateway Features	
802.1p priority-based traffic classification	No
DSCP priority-based traffic classification	No
System Performance Capacity	
Recommended camera limit	200W H265: 80 400W H265: 40

Package Contents

Model	RG-ES228GS-LP
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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Redefine your easy network

Ruijie Networks Co., Ltd.

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