

# RG-ES224GC

## 24-Port Gigabit Smart Cloud Managed Non-PoE Switch



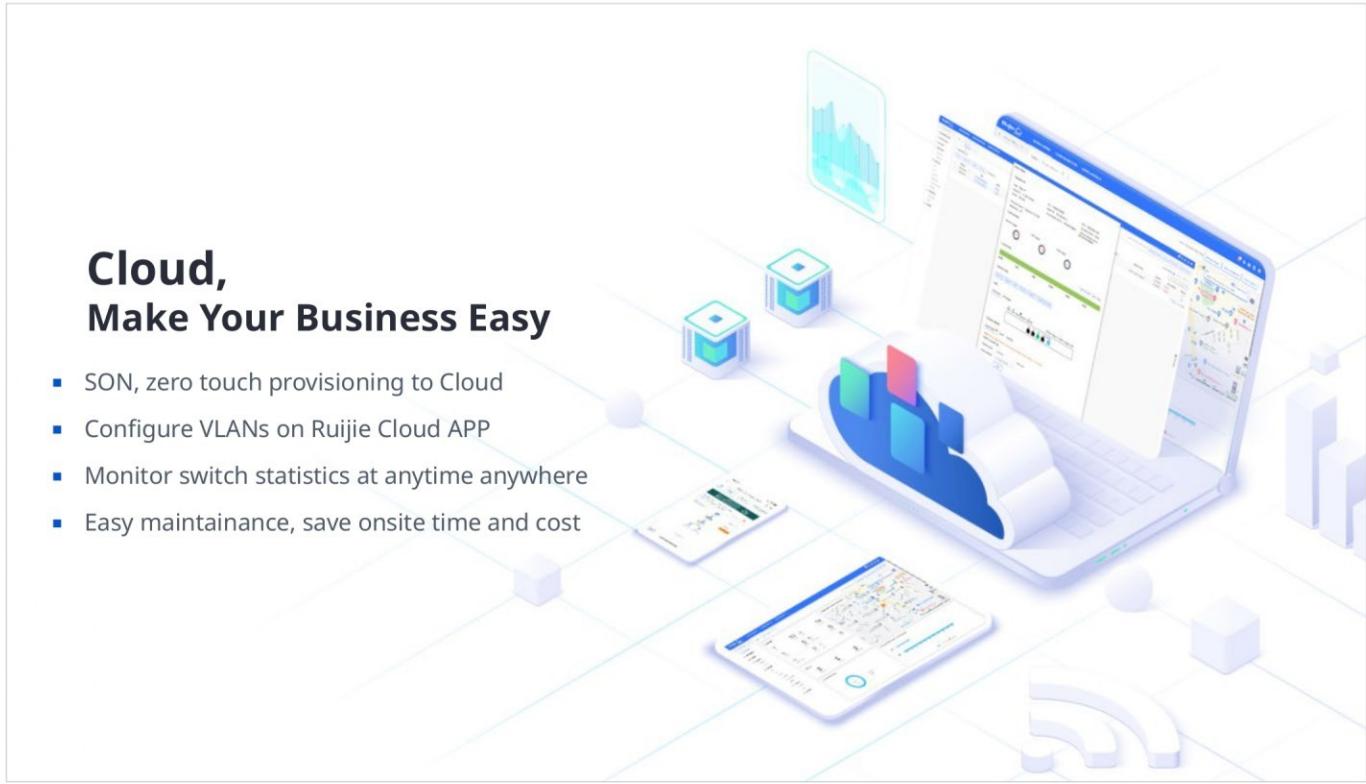
### Highlights

- 24-port gigabit cloud managed non-PoE switch
- 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

### 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-ES224GC
Product Category	Layer 2

## Hardware Specifications

Model	RG-ES224GC
Product Information	
Warranty	3 years
Port Specifications	
Total number of RJ45 ports	24
Number of 10/100/1000BASE-T ports	24
Reset button	1
Power Supply and Consumption	
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: 0.6 A</li></ul>
Maximum power consumption	14 W
Power supply	Fixed power supply
System Specifications	
Flash memory	8 MB
Forwarding rate	35.7 Mpps
Switching capacity	48 Gbps(bit/s)
Dimensions and Weight	
Casing	Metal
Product dimensions (W x D x H)	440 mm x 165 mm x 44 mm (17.32 in. x 6.50 in. x 1.73 in.)
Weight	1.95 kg (4.30 lbs) (without packaging materials) 2.84 kg (6.26 lbs) (with packaging materials)

# Hardware Specifications

Model	RG-ES224GC
<b>Shipping weight</b>	2.84 kg (6.26 lbs)
<b>Environment and Reliability</b>	
<b>Fan</b>	Fanless design
<b>Cooling</b>	Natural cooling
<b>Mounting options</b>	Rack
<b>Hot swapping of cables</b>	Hot swapping supported by the service port and power connector
<b>MTBF</b>	200,000 hours
<b>Operating temperature</b>	0°C to 50°C (32°F to 122°F)
<b>Storage temperature</b>	-40°C to +70°C (-40°F to +158°F)
<b>Operating humidity</b>	10% RH to 90% RH (non-condensing)
<b>Storage humidity</b>	5% RH to 95% RH (non-condensing)
<b>Altitude</b>	-500 m to +5,000 m (-1,640.42 ft. to +16,404.20 ft.)
<b>ESD protection</b>	Air discharge: 8 kV Contact discharge: 6 kV
<b>Surge protection</b>	Service port: ±6 kV for common mode Power connector: ±6 kV for common mode and ±6 kV for differential mode
<b>Certification and Regulatory Compliance</b>	
<b>EMC</b>	EN 55032 EN 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386
<b>Safety compliance</b>	EN 62638-1
<b>Certification</b>	CE

# Software Specifications

Model	RG-ES224GC
<b>Authentication</b>	
<b>RADIUS</b>	No
<b>802.1X authentication</b>	No
<b>Basic Configurations</b>	
<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>	
<b>Jumbo frame length (MTU)</b>	10000 bytes

# Software Specifications

Model	RG-ES224GC
EEE	Yes
Cable test	Yes
<b>IP Routing</b>	
IPv4 static route	No
IPv6 static route	No
OSPFv2	No
OSPFv3	No
<b>IP Service</b>	
ARP	No
IPv4 ping	No
IPv4 traceroute	No
ICMPv6	No
IPv6 ping	No
IPv6 traceroute	No
DNS client	Yes
DHCP client	Yes
<b>Multicast</b>	
IGMPv1 snooping	No
IGMPv2 snooping	No
Basic IGMPv3 snooping	No
Full IGMPv3 snooping	No
IGMP filtering	No
IGMPv1, v2, and v3	No
<b>Network Management and Monitoring</b>	

# Software Specifications

Model	RG-ES224GC
<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
<b>System Performance Capacity</b>	
<b>Recommended camera limit</b>	200W H265: 80 400W H265: 40



## Package Contents

Model	RG-ES224GC
<b>Accessories</b>	
<b>Rubber pad</b>	4
<b>Screw</b>	8 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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