

RG-ES200 Series Smart Cloud Managed Switches

DATASHEET

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Highlights

- Abundant models fit needs for access layer in SMB network
- 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



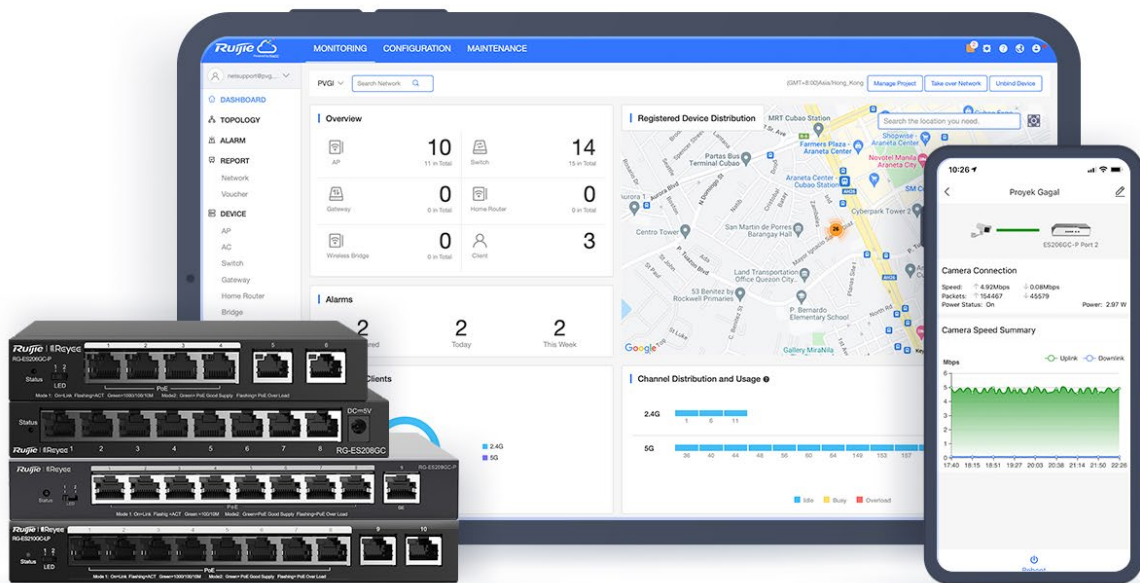
Abundant Application Scenarios



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



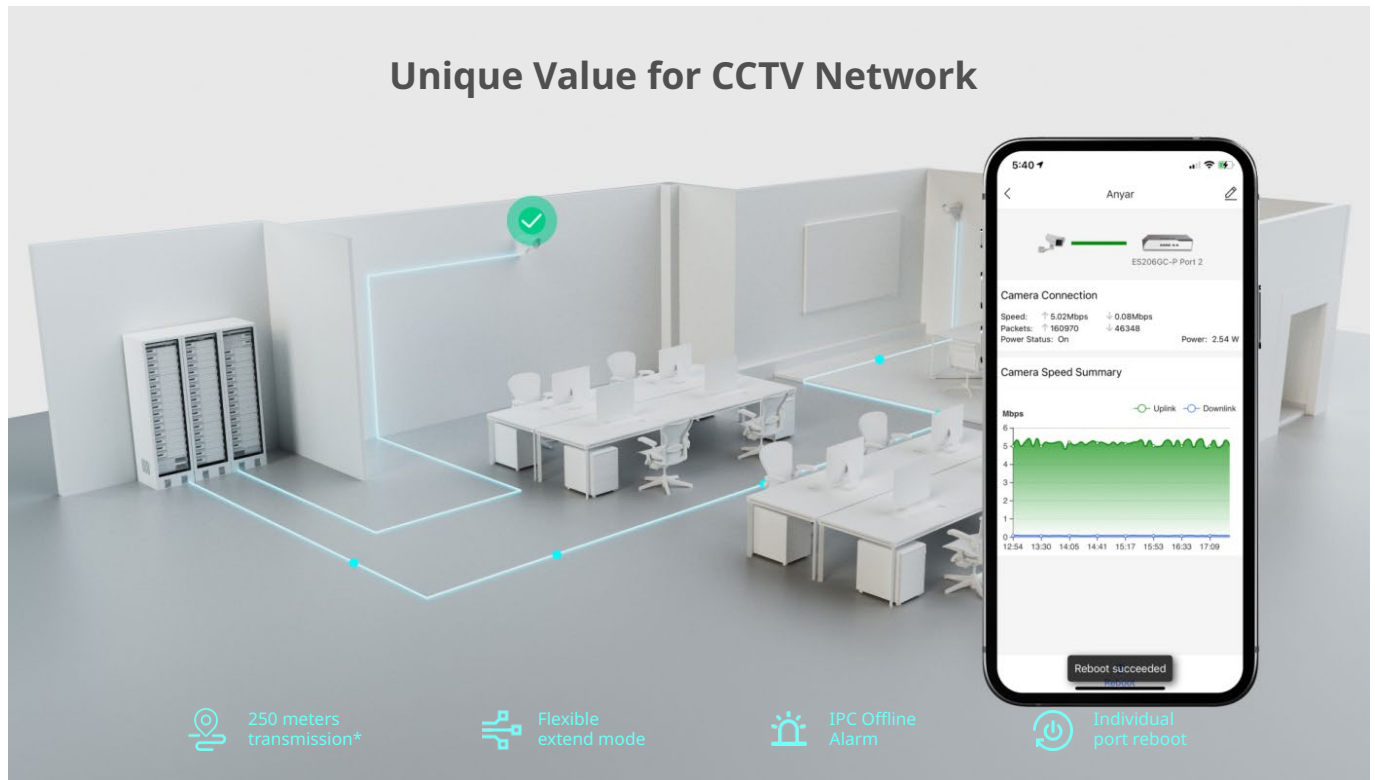
Mobile VLAN Configuration



Intelligent PoE Adaptive

Highlight Features

Unique Value for CCTV Network



Automatic Loop Prevention Ensures Service Continuity

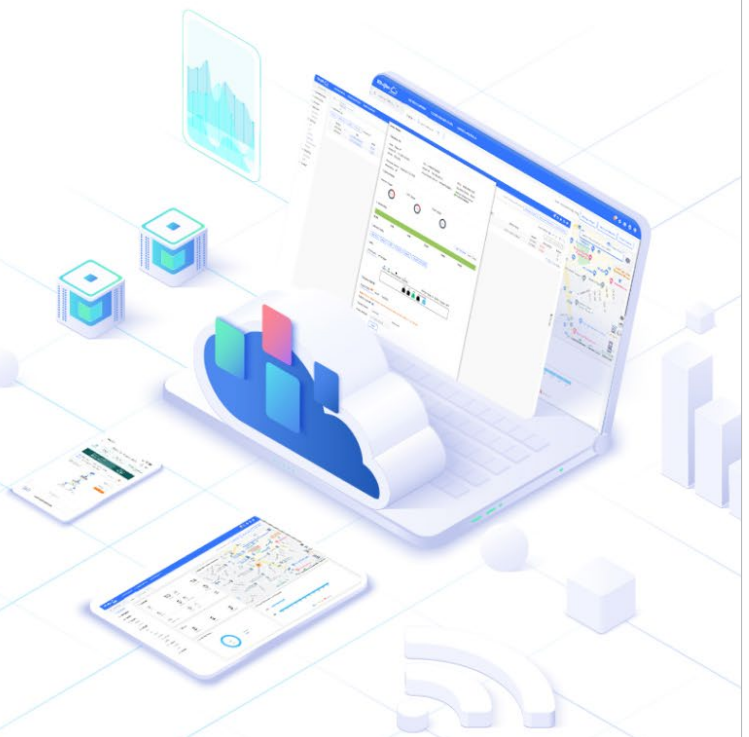
Network stays connected when network loop happens



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



Specifications

Specifications	RG-ES206GC-P	RG-ES210GC-LP	RG-ES216GC	RG-ES218GC-P	RG-ES224GC	RG-ES226GC-P
Basic						
Recommended Camera Limits	200W H265:40	200W H265:40	200W H265:80	200W H265:80	200W H265:80	200W H265:80
	400W H265:20	400W H265:20	400W H265:40	400W H265:40	400W H265:40	400W H265:40
Total Number of RJ45 Ports	6	10	16	16	24	24
Total Number of Optical Ports	N/A	N/A	N/A	2	N/A	2
Number of 1 Gbps Optical Ports (SFP)	N/A	N/A	N/A	2	N/A	2
Number of 10/100/1000BAS E-T Ports	6	10	16	16	24	24
Number of PoE/PoE+ Ports	4	8	N/A	16	N/A	24
Max. PoE Power Budget	54W	70W	N/A	240W	N/A	370W
PoE Power Pins	1 2+, 3 6-	1 2+, 3 6-	N/A	1 2+, 3 6-	N/A	1 2+, 3 6-
Layer	L2	L2	L2	L2	L2	L2
Switching Capacity	12Gbps	20Gbps	32Gbps	36Gbps	48Gbps	52Gbps
Forwarding Rate	8.9Mpps	14.8Mpps	23.8Mpps	26.8Mpps	35.7Mpps	38.7Mpps
Buffer Size	1.5Mbits	1.5Mbits	4.1Mbits	4.1Mbits	4.1Mbits	4.1Mbits
Flash Memory	4MB	4MB	8MB	8MB	8MB	8MB
MAC Address Table Size	2K	4K	8K	8K	8K	8K
Max. Number of VLANs	16	16	16	16	16	16
Dimensions (W x D x H)	148mm*78mm*26mm	202mm*108mm*28mm	440mm*165mm*44mm	300mm*230mm*43.6mm	440mm*165mm*44mm	440mm*289mm*43.6mm
Net Weight	0.308kg	0.539kg	1.95kg	2.99kg	1.95kg	4.05kg
Mean Time Between Failure (MTBF)	>200K	>200K	>200K	>200K	>200K	>200K

Specifications	RG-ES206GC-P	RG-ES210GC-LP	RG-ES216GC	RG-ES218GC-P	RG-ES224GC	RG-ES226GC-P
Safety Compliance	EN 62638-1	EN 62638-1	EN 62638-1	EN 62638-1	EN 62638-1	EN 62638-1
Warranty	3	3	3	3	3	3
Layer2 features						
Jumbo Frame Length (MTU)	9216 Bytes	9216 Bytes	10000 Bytes	10000 Bytes	10000 Bytes	10000 Bytes
Flow Control	Yes	Yes	Yes	Yes	Yes	Yes
Port Isolation / Protected Port	Yes	Yes	Yes	Yes	Yes	Yes
Unknown Unicast Storm Control	Yes	Yes	Yes	Yes	Yes	Yes
Broadcast Storm Control	Yes	Yes	Yes	Yes	Yes	Yes
Multicast Storm Control	Yes	Yes	Yes	Yes	Yes	Yes
VLAN Range	1-4094	1-4094	1-4094	1-4094	1-4094	1-4094
Port-based VLAN	Yes	Yes	Yes	Yes	Yes	Yes
Cable Test	Yes	Yes	Yes	Yes	Yes	Yes
Port-Level Rate Limiting (Ingress/Egress)	Yes	Yes	Yes	Yes	Yes	Yes
DNS Client	Yes	Yes	Yes	Yes	Yes	Yes
Web Management	Yes	Yes	Yes	Yes	Yes	Yes
HTTP	Yes	Yes	Yes	Yes	Yes	Yes
Ruijie Cloud Management	Yes	Yes	Yes	Yes	Yes	Yes
Ruijie Reyee App Management	Yes	Yes	Yes	Yes	Yes	Yes
IP-based Self-Organizing Network (SON)	Yes	Yes	Yes	Yes	Yes	Yes
Camera Detection	Yes	Yes	Yes	Yes	Yes	Yes

Specifications	RG-ES206GC-P	RG-ES210GC-LP	RG-ES216GC	RG-ES218GC-P	RG-ES224GC	RG-ES226GC-P
Loop Prevention	Yes	Yes	Yes	Yes	Yes	Yes
PoE Power Usage Alarm	Yes	Yes	No	Yes	No	Yes
DHCP Snooping	Yes	Yes	Yes	Yes	Yes	Yes
DHCP Client	Yes	Yes	Yes	Yes	Yes	Yes
PoE Watchdog	Yes	Yes	No	Yes	No	Yes
Web Authentication	Yes	Yes	Yes	Yes	Yes	Yes
Hardware Specifications						
Reset Button	Yes	Yes	Yes	Yes	Yes	Yes
DIP Switch	LED Mode	LED Mode	No	LED Mode	No	LED Mode
Cable Hot-Swappable	Yes	Yes	Yes	Yes	Yes	Yes
Power Supply	AC input Rated voltage range: 100V to 240V Maximum voltage range: 90V to 264V Frequency: 50/60 Hz Rated current: 1.5A Adapter output Rated voltage range: 54V DC Rated current range: 1.11A	AC input Rated voltage range: 100V to 240V Maximum voltage range: 90V to 264V Frequency: 50/60 Hz Rated current: 1.5A Adapter output Rated voltage range: 54V DC Rated current range: 1.48A	Rated voltage range: 100-240VAC Maximum voltage range: 90-264VAC Frequency: 50/60Hz Rated current: 0.6A	Rated voltage range: 100-240VAC Maximum voltage range: 90-264VAC Frequency: 50/60Hz Rated current: 6A	Rated voltage range: 100-240VAC Maximum voltage range: 90-264VAC Frequency: 50/60Hz Rated current:0.6A	Rated voltage range: 100-240VAC Maximum voltage range: 90-264VAC Frequency: 50/60Hz Rated current: 6A
Power Consumption	Less than 6W with no PoE load Less than 60W with PoE full load	Less than 10W with no PoE load Less than 80W with PoE full load	≤12W	Less than 15W with no PoE load Less than 255W with PoE full load	≤14W	Less than 25W with no PoE load Less than 400W with PoE full load
Port Surge Protection	Common Mode 4KV	Common Mode 4KV	Common Mode 6KV	Common Mode 4KV	Common Mode 6KV	Common Mode 4KV
Power Supply Surge Protection	Common Mode: 4KV	Common Mode: 4KV	Common Mode: 6KV	Common Mode: 4KV	Common Mode: 6KV	Common Mode: 4KV

Specifications	RG-ES206GC-P	RG-ES210GC-LP	RG-ES216GC	RG-ES218GC-P	RG-ES224GC	RG-ES226GC-P
	Differential mode 2KV	Differential mode 2KV	Differential mode 6KV	Differential mode 2KV	Differential mode 6KV	Differential mode 2KV
Number of Fans	Fanless	Fanless	Fanless	1	Fanless	2
Airflow	N/A	N/A	N/A	Left to right	N/A	front to back
Fan Speed Control	N/A	N/A	N/A	Fan Speed Auto-Adjustment	N/A	Fan Speed Auto-Adjustment
Acoustic Noise Level	Fanless	Fanless	Fanless	<45dB (when the device works normally)	Fanless	<45dB (when the device works normally)
Operating Temperature	0 to 40℃	0 to 40℃	0 to 50℃	0 to 40℃	0 to 50℃	0 to 40℃
Storage Temperature	-40 to 70℃	-40 to 70℃	-40~70℃	-40~70℃	-40~70℃	-40~70℃
Operating Humidity	10% to 90% RH(non-condensing)	10% to 90% RH(non-condensing)	10% to 90% RH(non-condensing)	10% to 90% RH(non-condensing)	10% to 90% RH(non-condensing)	10% to 90% RH(non-condensing)
Storage Humidity	5% to 95% RH(non-condensing)	5% to 95% RH(non-condensing)	5% to 95% RH(non-condensing)	5% to 95% RH(non-condensing)	5% to 95% RH(non-condensing)	5% to 95% RH(non-condensing)
Electrostatic Discharge (ESD) Protection	Air Discharge: 6KV Contact Discharge: 4KV	Air Discharge: 6KV Contact Discharge: 4KV	Air Discharge: 8KV Contact Discharge: 6KV	Air Discharge: 6KV Contact Discharge: 4KV	Air Discharge: 8KV Contact Discharge: 6KV	Air Discharge: 6KV Contact Discharge: 4KV
Casing	Metal	Metal	Metal	Metal	Metal	Metal
Mounting	Wall-mount and Desk-type	Wall-mount and Desk-type	Rack installation	Rack installation	Rack installation	Rack installation
LEDs	System: SYS(Green) Per RJ45 PoE+ Ports: LINK/ACT(Green)	System: SYS(Green) Per RJ45 PoE+ Ports: LINK/ACT(Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green)	System: SYS(Green) Per RJ45 PoE+ Ports: LINK/ACT(Green) Per SFP Interface: LINK/ACT(Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green)	System: SYS(Green) Per RJ45 PoE+ Ports: LINK/ACT(Green) Per SFP Interface: LINK/ACT(Green)
Operating Altitude (m)	-500 to 5000M	-500 to 5000M	-500~5000M	-500~5000M	-500~5000M	-500~5000M
Package Contents						
Certification	CE;FCC	CE	CE	CE;FCC	CE	CE;FCC

Specifications	RG-ES206GC-P	RG-ES210GC-LP	RG-ES216GC	RG-ES218GC-P	RG-ES224GC	RG-ES226GC-P
EMC	EN 55032:2015+AC: 2016 EN 61000-3- 2:2014 EN 61000-3- 3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC: 2016 EN 61000-3- 2:2014 EN 61000-3- 3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC: 2016 EN 61000-3- 2:2014 EN 61000-3- 3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC: 2016 EN 61000-3- 2:2014 EN 61000-3- 3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC: 2016 EN 61000-3- 2:2014 EN 61000-3- 3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC: 2016 EN 61000-3- 2:2014 EN 61000-3- 3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)
Mounting Brackets	N/A	N/A	2	2	2	2
Screws	N/A	N/A	M4 Screw*8	M3 Screw*8	M4 Screw*8	M4 Screw*8
User Manual	1	1	1	1	1	1
Rubber Feet	N/A	N/A	4	4	4	4
Power Supply Options	Power adapter	Power adapter	Single fixed power supply	Single fixed power supply	Single fixed power supply	Single fixed power supply
Warranty Card	1	1	1	1	1	1
Gross Weight	0.79kg(packages included)	1.38kg(packages included)	2.42kg(packages included)	3.5kg(packages included)	2.84kg(packages included)	5.02kg(packages included)
Package Dimensions (W x D x H)	520*330*223m m	588*340*318m m	560*200*270m m	505*430*310m m	560*200*270m m	571*257*439m m

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 **R**edefine **y**our **e**asy **n**etwork

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