

# 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



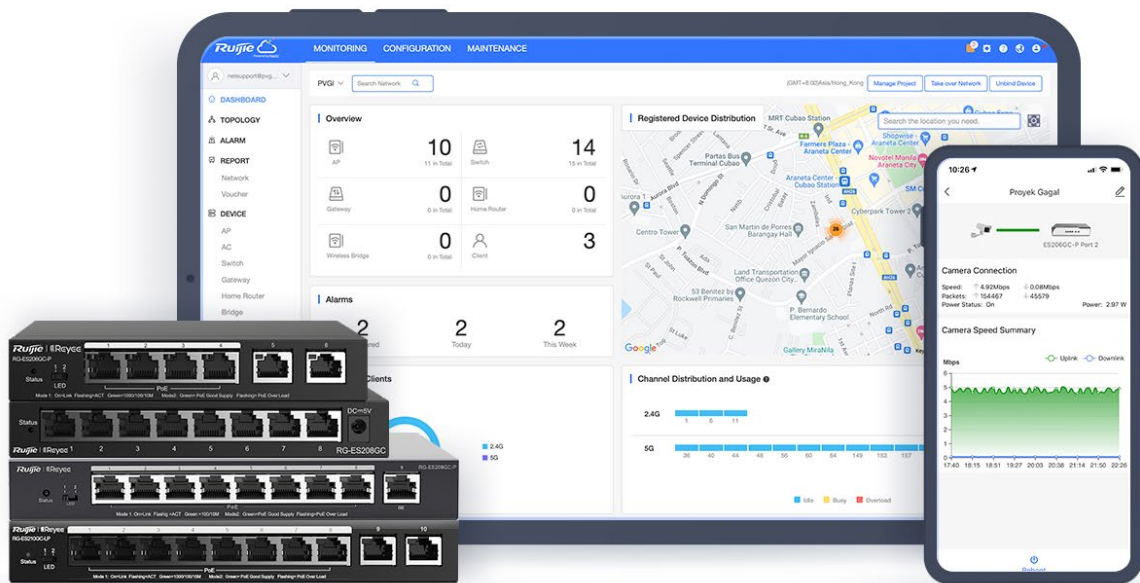
Abundant Application Scenarios



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



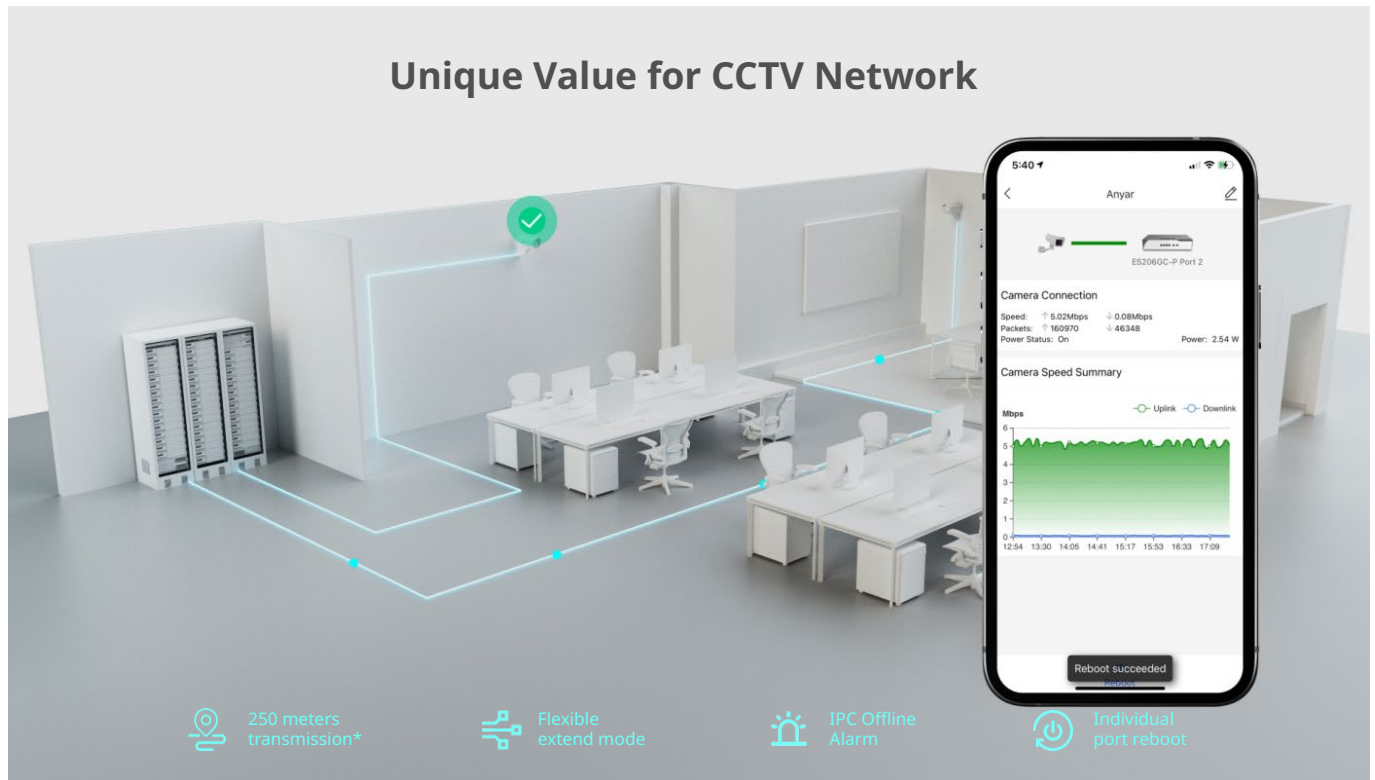
Mobile VLAN Configuration



Intelligent PoE Adaptive

## Highlight Features

### Unique Value for CCTV Network



### Automatic Loop Prevention Ensures Service Continuity

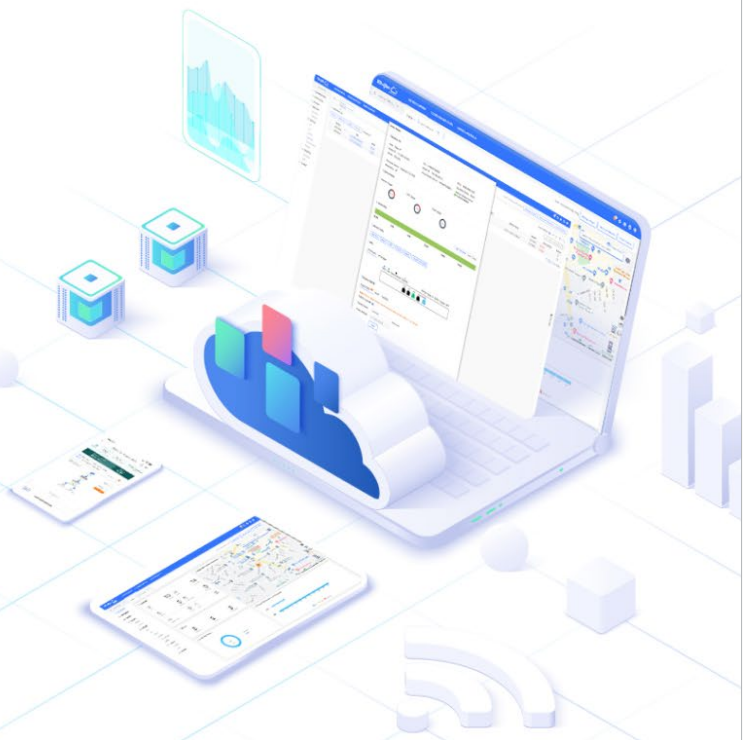
Network stays connected when network loop happens



## 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

| Specification                        | RG-ES205GC | RG-ES208GC | RG-ES206GC-P | RG-ES206GS-P | RG-ES210GC-LP | RG-ES210GS-P | RG-ES205GC-P | RG-ES209GC-P |
|--------------------------------------|------------|------------|--------------|--------------|---------------|--------------|--------------|--------------|
| Basic                                |            |            |              |              |               |              |              |              |
| Total Number of Electrical Ports     | 5          | 8          | 6            | 6            | 10            | 10           | 5            | 9            |
| Total Number of Optical Ports        | N/A        | N/A        | N/A          | 1            | N/A           | 1            | N/A          | N/A          |
| Number of Combo Ports                | N/A        | N/A        | N/A          | 1            | N/A           | 1            | N/A          | N/A          |
| Number of 1 Gbps Optical Ports (SFP) | N/A        | N/A        | N/A          | 1            | N/A           | 1            | N/A          | N/A          |
| Number of 10/100/1000 Base-T Ports   | 5          | 8          | 6            | 6            | 10            | 10           | 5            | 9            |
| Number of PoE/PoE+ Ports             | N/A        | N/A        | 4            | 4            | 8             | 8            | 4            | 8            |
| Max. PoE Power Budget                | N/A        | N/A        | 54W          | 54W          | 70W           | 120W         | 54W          | 120W         |
| PoE Power Pins                       | N/A        | N/A        | 1 2+, 3 6-   | 1 2+, 3 6-   | 1 2+, 3 6-    | 1 2+, 3 6-   | 1 2+, 3 6-   | 1 2+, 3 6-   |
| Layer                                | L2         | L2         | L2           | L2           | L2            | L2           | L2           | L2           |
| Switching Capacity                   | 10Gbps     | 16Gbps     | 12Gbps       | 12Gbps       | 20Gbps        | 20Gbps       | 10Gbps       | 18Gbps       |
| Forwarding Rate                      | 7.4Mpps    | 11.9Mpps   | 8.9Mpps      | 8.9Mpps      | 14.8Mpps      | 14.8Mpps     | 7.4Mpps      | 13.4Mpps     |
| Buffer Size                          | 1Mbits     | 1.5Mbits   | 1.5Mbits     | 1.5Mbits     | 1.5Mbits      | 1.5Mbits     | 1Mbits       | 1.5Mbits     |
| Flash Memory                         | 4MB        | 4MB        | 4MB          | 4MB          | 4MB           | 4MB          | 4MB          | 4MB          |
| MAC Address Table Size               | 2K         | 4K         | 2K           | 2K           | 4K            | 4K           | 2K           | 4K           |

| Specification                    | RG-ES205GC      | RG-ES208GC      | RG-ES206GC-P    | RG-ES206GS-P    | RG-ES210GC-LP    | RG-ES210GS-P     | RG-ES205GC-P    | RG-ES209GC-P     |
|----------------------------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-----------------|------------------|
| Max. Number of VLANs             | 16              | 16              | 16              | 16              | 16               | 16               | 16              | 16               |
| Dimensions (W x D x H)           | 119mm*62mm*24mm | 160mm*75mm*24mm | 148mm*78mm*26mm | 148mm*78mm*26mm | 202mm*108mm*28mm | 202mm*108mm*28mm | 148mm*78mm*26mm | 202mm*108mm*28mm |
| Net Weight                       | 0.527kg         | 0.303kg         | 0.308kg         | 0.308kg         | 0.539kg          | 0.55kg           | 0.295kg         | 0.527kg          |
| Mean Time Between Failure (MTBF) | >200K           | >200K           | >200K           | >200K           | >200K            | >200K            | >200K           | >200K            |
| Safety Compliance                | EN 62638-1      | EN 62638-1      | 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                | 3               | 3                |
| Layer2 features                  |                 |                 |                 |                 |                  |                  |                 |                  |
| Jumbo Frame Length (MTU)         | 9216 Bytes      | 9216 Bytes      | 9216 Bytes      | 9216 Bytes      | 9216 Bytes       | 9216 Bytes       | 9216 Bytes      | 9216 Bytes       |
| Flow Control                     | Yes             | Yes             | Yes             | Yes             | Yes              | Yes              | Yes             | Yes              |
| Port Isolation / Protected Port  | Yes             | Yes             | Yes             | Yes             | Yes              | Yes              | Yes             | Yes              |
| Unknown Unicast Storm Control    | Yes             | Yes             | Yes             | Yes             | Yes              | Yes              | Yes             | Yes              |
| Broadcast Storm Control          | Yes             | Yes             | Yes             | Yes             | Yes              | Yes              | Yes             | Yes              |
| Multicast Storm Control          | Yes             | Yes             | Yes             | Yes             | Yes              | Yes              | Yes             | Yes              |
| VLAN Range                       | 1-4094          | 1-4094          | 1-4094          | 1-4094          | 1-4094           | 1-4094           | 1-4094          | 1-4094           |
| Port-based VLAN                  | Yes             | Yes             | Yes             | Yes             | Yes              | Yes              | Yes             | Yes              |
| RLDP                             | No              | No              | No              | No              | No               | No               | No              | No               |
| LLDP                             | No              | No              | No              | No              | No               | No               | No              | No               |

| Specification                             | RG-ES205GC | RG-ES208GC | RG-ES206GC-P | RG-ES206GS-P | RG-ES210GC-LP | RG-ES210GS-P | RG-ES205GC-P | RG-ES209GC-P |
|-------------------------------------------|------------|------------|--------------|--------------|---------------|--------------|--------------|--------------|
| LLDP-MED                                  | No         | No         | No           | No           | No            | No           | No           | No           |
| LLDP-PoE                                  | No         | No         | No           | No           | No            | No           | No           | No           |
| Cable Test                                | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| IGMP Snooping v1                          | No         | No         | No           | No           | No            | No           | No           | No           |
| IGMP Snooping v2                          | No         | No         | No           | No           | No            | No           | No           | No           |
| IGMP Snooping v3(Basic)                   | No         | No         | No           | No           | No            | No           | No           | No           |
| Port-Level Rate Limiting (Ingress/Egress) | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| DNS Client                                | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| Web Management                            | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| HTTP                                      | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| HTTPS                                     | No         | No         | No           | No           | No            | No           | No           | No           |
| Ruijie Cloud Management                   | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| Ruijie Reyee App Management               | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| IP-based Self-Organizing Network (SON)    | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| Camera Detection                          | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| Loop Prevention                           | Yes        | Yes        | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |
| PoE Power Usage Alarm                     | No         | No         | Yes          | Yes          | Yes           | Yes          | Yes          | Yes          |

| Specification           | RG-ES205GC                                                                                                                        | RG-ES208GC                                                                                                                        | RG-ES206GC-P                                                                                                                      | RG-ES206GS-P                                                                                                                      | RG-ES210GC-LP                                                                                                                     | RG-ES210GS-P                                                                                                                      | RG-ES205GC-P                                                                                                                      | RG-ES209GC-P                                                                                                                      |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| DHCP Snooping           | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               |
| DHCP Client             | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               |
| PoE Watchdog            | No                                                                                                                                | No                                                                                                                                | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               |
| Web Authentication      | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               |
| Hardware Specifications |                                                                                                                                   |                                                                                                                                   |                                                                                                                                   |                                                                                                                                   |                                                                                                                                   |                                                                                                                                   |                                                                                                                                   |                                                                                                                                   |
| Reset Button            | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               |
| DIP Switch              | No                                                                                                                                | No                                                                                                                                | LED Mode                                                                                                                          | LED Mode                                                                                                                          | LED Mode                                                                                                                          | LED Mode                                                                                                                          | LED Mode                                                                                                                          | LED Mode                                                                                                                          |
| Cable Hot-Swappable     | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               | Yes                                                                                                                               |
| Power Supply            | AC input<br>Rated voltage range: 100V to 240V<br>Maximum voltage range: 90V to 264V<br>Frequency: 50/60 Hz<br>Rated current: 0.3A | AC input<br>Rated voltage range: 100V to 240V<br>Maximum voltage range: 90V to 264V<br>Frequency: 50/60 Hz<br>Rated current: 0.3A | AC input<br>Rated voltage range: 100V to 240V<br>Maximum voltage range: 90V to 264V<br>Frequency: 50/60 Hz<br>Rated current: 1.5A | AC input<br>Rated voltage range: 100V to 240V<br>Maximum voltage range: 90V to 264V<br>Frequency: 50/60 Hz<br>Rated current: 1.5A | AC input<br>Rated voltage range: 100V to 240V<br>Maximum voltage range: 90V to 264V<br>Frequency: 50/60 Hz<br>Rated current: 1.5A | AC input<br>Rated voltage range: 100V to 240V<br>Maximum voltage range: 90V to 264V<br>Frequency: 50/60 Hz<br>Rated current: 2.5A | AC input<br>Rated voltage range: 100V to 240V<br>Maximum voltage range: 90V to 264V<br>Frequency: 50/60 Hz<br>Rated current: 1.5A | AC input<br>Rated voltage range: 100V to 240V<br>Maximum voltage range: 90V to 264V<br>Frequency: 50/60 Hz<br>Rated current: 2.5A |
|                         | Adapter output<br>Rated voltage range: 5V DC<br>Rated current range: 1A                                                           | Adapter output<br>Rated voltage range: 5V DC<br>Rated current range: 1A                                                           | Adapter output<br>Rated voltage range: 54V DC<br>Rated current range: 1.11A                                                       | Adapter output<br>Rated voltage range: 54V DC<br>Rated current range: 1.11A                                                       | Adapter output<br>Rated voltage range: 54V DC<br>Rated current range: 1.48A                                                       | Adapter output<br>Rated voltage range: 54V DC<br>Rated current range: 2.4A                                                        | Adapter output<br>Rated voltage range: 54V DC<br>Rated current range: 1.11A                                                       | Adapter output<br>Rated voltage range: 54V DC<br>Rated current range: 2.4A                                                        |

[illegible]

| Specification          | RG-ES205GC                                         | RG-ES208GC                                         | RG-ES206GC-P                                       | RG-ES206GS-P                                                                               | RG-ES210GC-LP                                           | RG-ES210GS-P                                                                               | RG-ES205GC-P                                            | RG-ES209GC-P                                            |
|------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Mounting               | Wall-mount and Desk-type                           | Wall-mount and Desk-type                           | Wall-mount and Desk-type                           | Wall-mount and Desk-type                                                                   | Wall-mount and Desk-type                                | Wall-mount and Desk-type                                                                   | Wall-mount and Desk-type                                | Wall-mount and Desk-type                                |
| LEDs                   | 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 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 Ports: LINK/ACT(Green) | System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green) | Per RJ45 PoE+ Ports: LINK/ACT(Green) Per SFP Interface: LINK/ACT(Green)                    | System: SYS(Green) Per RJ45 PoE+ Ports: LINK/ACT(Green) | Per RJ45 PoE+ Ports: LINK/ACT(Green) Per SFP Interface: LINK/ACT(Green)                    | System: SYS(Green) Per RJ45 PoE+ Ports: LINK/ACT(Green) | System: SYS(Green) Per RJ45 PoE+ Ports: LINK/ACT(Green) |
|                        |                                                    |                                                    |                                                    |                                                                                            |                                                         |                                                                                            |                                                         |                                                         |
|                        |                                                    |                                                    |                                                    |                                                                                            |                                                         |                                                                                            |                                                         |                                                         |
|                        |                                                    |                                                    |                                                    |                                                                                            |                                                         |                                                                                            |                                                         |                                                         |
| Operating Altitude (m) | -500 to 5000M                                      | -500 to 5000M                                      | -500 to 5000M                                      | -500 to 5000M                                                                              | -500 to 5000M                                           | -500 to 5000M                                                                              | -500~5000M                                              | -500~5000M                                              |
| Certification          | CE                                                 | CE                                                 | CE;FCC                                             | CE;FCC                                                                                     | CE                                                      | CE;FCC                                                                                     | CE                                                      | CE;FCC                                                  |
| EMC                    | EN 55032:2015+AC:2016                              | EN 55032:2015+AC:2016                              | EN 55032:2015+AC:2016                              | EN 55032:2015+AC:2016                                                                      | EN 55032:2015+AC:2016                                   | EN 55032:2015+AC:2016                                                                      | EN 55032:2015+AC:2016                                   | EN 55032:2015+AC:2016                                   |
|                        | EN 61000-3-2:2014                                  | EN 61000-3-2:2014                                  | EN 61000-3-2:2014                                  | EN 61000-3-2:2014                                                                          | EN 61000-3-2:2014                                       | EN 61000-3-2:2014                                                                          | EN 61000-3-2:2014                                       | EN 61000-3-2:2014                                       |
|                        | EN 61000-3-3:2013                                  | EN 61000-3-3:2013                                  | EN 61000-3-3:2013                                  | EN 61000-3-3:2013                                                                          | EN 61000-3-3:2013                                       | EN 61000-3-3:2013                                                                          | EN 61000-3-3:2013                                       | EN 61000-3-3:2013                                       |
|                        | EN 55035:2017                                      | EN 55035:2017                                      | EN 55035:2017                                      | EN 55035:2017                                                                              | EN 55035:2017                                           | EN 55035:2017                                                                              | EN 55035:2017                                           | EN 55035:2017                                           |
|                        | ETSI EN 300 386 V2.1.1 (2016-07)                   | ETSI EN 300 386 V2.1.1 (2016-07)                   | ETSI EN 300 386 V2.1.1 (2016-07)                   | ETSI EN 300 386 V2.1.1 (2016-07)                                                           | ETSI EN 300 386 V2.1.1 (2016-07)                        | ETSI EN 300 386 V2.1.1 (2016-07)                                                           | ETSI EN 300 386 V2.1.1 (2016-07)                        | ETSI EN 300 386 V2.1.1 (2016-07)                        |
|                        |                                                    |                                                    |                                                    |                                                                                            |                                                         |                                                                                            |                                                         |                                                         |
|                        |                                                    |                                                    |                                                    |                                                                                            |                                                         |                                                                                            |                                                         |                                                         |

# Specifications

| Model                                | RG-ES218GC-P       | RG-ES226GC-P       | RG-ES216GC       | RG-ES224GC       | RG-ES216GC-V2    | RG-ES224GC-V2    | RG-ES228GS-P       | RG-ES220GS-P       |
|--------------------------------------|--------------------|--------------------|------------------|------------------|------------------|------------------|--------------------|--------------------|
| Basic                                |                    |                    |                  |                  |                  |                  |                    |                    |
| Total Number of Electrical Ports     | 16                 | 24                 | 16               | 24               | 16               | 24               | 26                 | 18                 |
| Total Number of Optical Ports        | 2                  | 2                  | N/A              | N/A              | N/A              | N/A              | 2                  | 2                  |
| Number of Combo Ports                | N/A                | N/A                | N/A              | N/A              | N/A              | N/A              | N/A                | N/A                |
| Number of 1 Gbps Optical Ports (SFP) | 2                  | 2                  | N/A              | N/A              | N/A              | N/A              | 2                  | 2                  |
| Number of 10/100/1000Base-T Ports    | 16                 | 24                 | 16               | 24               | 16               | 24               | 26                 | 18                 |
| Number of PoE/PoE+ Ports             | 16                 | 24                 | N/A              | N/A              | N/A              | N/A              | 24                 | 16                 |
| Max. PoE Power Budget                | 240W               | 370W               | N/A              | N/A              | N/A              | N/A              | 370W               | 250W               |
| PoE Power Pins                       | 1 2+, 3 6-         | 1 2+, 3 6-         | N/A              | N/A              | N/A              | N/A              | 1 2+, 3 6-         | 1 2+, 3 6-         |
| Layer                                | L2                 | L2                 | L2               | L2               | L2               | L2               | L2                 | L2                 |
| Switching Capacity                   | 36Gbps             | 52Gbps             | 32Gbps           | 48Gbps           | 32Gbps           | 48Gbps           | 56Gbps             | 40Gbps             |
| Forwarding Rate                      | 26.8Mpps           | 38.7Mpps           | 23.8Mpps         | 35.7Mpps         | 23.8Mpps         | 35.7Mpps         | 41.664Mpps         | 29.76Mpps          |
| Buffer Size                          | 4.1Mbits           | 4.1Mbits           | 4.1Mbits         | 4.1Mbits         | 4.1Mbits         | 4.1Mbits         | 4.1Mbits           | 4.1Mbits           |
| Flash Memory                         | 8MB                | 8MB                | 8MB              | 8MB              | 8MB              | 8MB              | 8MB                | 8MB                |
| MAC Address Table Size               | 8K                 | 8K                 | 8K               | 8K               | 8K               | 8K               | 8K                 | 8K                 |
| Max. Number of VLANs                 | 16                 | 16                 | 16               | 16               | 16               | 16               | 16                 | 16                 |
| Dimensions (W x D x H)               | 300mm*230mm*43.6mm | 440mm*289mm*43.6mm | 440mm*165mm*44mm | 440mm*165mm*44mm | 440mm*165mm*44mm | 440mm*165mm*44mm | 440mm*214.9mm*44mm | 300mm*223mm*43.6mm |

| Model                            | RG-ES218GC-P | RG-ES226GC-P | RG-ES216GC  | RG-ES224GC  | RG-ES216GC-V2             | RG-ES224GC-V2             | RG-ES228GS-P | RG-ES220GS-P |
|----------------------------------|--------------|--------------|-------------|-------------|---------------------------|---------------------------|--------------|--------------|
| Net Weight                       | 2.99kg       | 4.05kg       | 1.95kg      | 1.95kg      | 2.16kg                    | 2.2kg                     | 2.84kg       | 2.12kg       |
| Mean Time Between Failure (MTBF) | >200K        | >200K        | >200K       | >200K       | >200K                     | >200K                     | >200K        | >200K        |
| Safety Compliance                | EN 62638-1   | EN 62638-1   | EN 62638-1  | EN 62638-1  | GB4943.1-2022, EN 62638-1 | GB4943.1-2022, EN 62638-1 | EN 62638-1   | EN 62638-1   |
| Warranty                         | 3            | 3            | 3           | 3           | 3                         | 3                         | 3            | 3            |
| Layer2 features                  |              |              |             |             |                           |                           |              |              |
| Jumbo Frame Length (MTU)         | 10000 Bytes  | 10000 Bytes  | 10000 Bytes | 10000 Bytes | 10000 Bytes               | 10000 Bytes               | 10000 Bytes  | 10000 Bytes  |
| Flow Control                     | Yes          | Yes          | Yes         | Yes         | Yes                       | Yes                       | Yes          | Yes          |
| Port Isolation / Protected Port  | Yes          | Yes          | Yes         | Yes         | Yes                       | Yes                       | Yes          | Yes          |
| Unknown Unicast Storm Control    | Yes          | Yes          | Yes         | Yes         | Yes                       | Yes                       | Yes          | Yes          |
| Broadcast Storm Control          | Yes          | Yes          | Yes         | Yes         | Yes                       | Yes                       | Yes          | Yes          |
| Multicast Storm Control          | Yes          | Yes          | Yes         | Yes         | Yes                       | Yes                       | Yes          | Yes          |
| VLAN Range                       | 1-4094       | 1-4094       | 1-4094      | 1-4094      | 1-4094                    | 1-4094                    | 1-4094       | 1-4094       |
| Port-based VLAN                  | Yes          | Yes          | Yes         | Yes         | Yes                       | Yes                       | Yes          | Yes          |
| RLDP                             | No           | No           | No          | No          | No                        | No                        | No           | No           |
| LLDP                             | No           | No           | No          | No          | No                        | No                        | No           | No           |
| LLDP-MED                         | No           | No           | No          | No          | No                        | No                        | No           | No           |
| LLDP-PoE                         | No           | No           | No          | No          | No                        | No                        | No           | No           |
| Cable Test                       | Yes          | Yes          | Yes         | Yes         | Yes                       | Yes                       | Yes          | Yes          |
| IGMP Snooping v1                 | No           | No           | No          | No          | No                        | No                        | No           | No           |
| IGMP Snooping v2                 | No           | No           | No          | No          | No                        | No                        | No           | No           |
| IGMP Snooping v3(Basic)          | No           | No           | No          | No          | No                        | No                        | No           | No           |

| Model                                     | RG-ES218GC-P | RG-ES226GC-P | RG-ES216GC | RG-ES224GC | RG-ES216GC-V2 | RG-ES224GC-V2 | RG-ES228GS-P | RG-ES220GS-P |
|-------------------------------------------|--------------|--------------|------------|------------|---------------|---------------|--------------|--------------|
| Port-Level Rate Limiting (Ingress/Egress) | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| DNS Client                                | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| Web Management                            | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| HTTP                                      | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| HTTPS                                     | No           | No           | No         | No         | No            | No            | No           | No           |
| Ruijie Cloud Management                   | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| Ruijie Reyee App Management               | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| IP-based Self-Organizing Network (SON)    | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| Camera Detection                          | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| Loop Prevention                           | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| PoE Power Usage Alarm                     | Yes          | Yes          | No         | No         | No            | No            | Yes          | Yes          |
| DHCP Snooping                             | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| DHCP Client                               | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| PoE Watchdog                              | Yes          | Yes          | No         | No         | No            | No            | Yes          | Yes          |
| Web Authentication                        | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| Hardware Specifications                   |              |              |            |            |               |               |              |              |
| Reset Button                              | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |
| DIP Switch                                | LED Mode     | LED Mode     | No         | No         | No            | No            | No           | No           |
| Cable Hot-Swappable                       | Yes          | Yes          | Yes        | Yes        | Yes           | Yes           | Yes          | Yes          |

| Model                         | RG-<br>ES218GC-P                                                                                               | RG-<br>ES226GC-P                                                                                               | RG-<br>ES216GC                                                                                                   | RG-<br>ES224GC                                                                                                   | RG-<br>ES216GC-V2                                                                                              | RG-<br>ES224GC-V2                                                                                              | RG-<br>ES228GS-P                                                                                               | RG-<br>ES220GS-P                                                                                               |
|-------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Power Supply                  | Rated voltage range: 100-240VAC<br>Maximum voltage range: 90-264VAC<br>Frequency: 50/60Hz<br>Rated current: 6A | Rated voltage range: 100-240VAC<br>Maximum voltage range: 90-264VAC<br>Frequency: 50/60Hz<br>Rated current: 6A | Rated voltage range: 100-240VAC<br>Maximum voltage range: 90-264VAC<br>Frequency: 50/60Hz<br>Rated current: 0.6A | Rated voltage range: 100-240VAC<br>Maximum voltage range: 90-264VAC<br>Frequency : 50/60Hz<br>Rated current:0.6A | Rated voltage range: 100-240V~<br>Maximum voltage range: 90-264V~<br>Frequency: 50/60Hz<br>Rated current: 0.6A | Rated voltage range: 100-240V~<br>Maximum voltage range: 90-264V~<br>Frequency: 50/60Hz<br>Rated current: 0.6A | Rated voltage range: 100-240V~<br>Maximum voltage range: 90-264V~<br>Frequency: 50/60Hz<br>Rated current: 7.2A | Rated voltage range: 100-240V~<br>Maximum voltage range: 90-264V~<br>Frequency: 50/60Hz<br>Rated current: 4.5A |
| Power Consumption             | Less than 15W with no PoE load<br>Less than 255W with PoE full load                                            | Less than 25W with no PoE load<br>Less than 400W with PoE full load                                            | ≤12W                                                                                                             | ≤14W                                                                                                             | ≤10W                                                                                                           | ≤13W                                                                                                           | Less than 25W with no PoE load<br>Less than 400W with PoE full load                                            | Less than 15W with no PoE load<br>Less than 255W with PoE full load                                            |
| EEE                           | No                                                                                                             | No                                                                                                             | No                                                                                                               | No                                                                                                               | No                                                                                                             | No                                                                                                             | No                                                                                                             | No                                                                                                             |
| Port Surge Protection         | Common Mode 4KV                                                                                                | Common Mode 4KV                                                                                                | Common Mode 6KV                                                                                                  | Common Mode 6KV                                                                                                  | Common Mode 6KV                                                                                                | Common Mode 6KV                                                                                                | Common Mode 4KV                                                                                                | Common Mode 4KV                                                                                                |
| Power Supply Surge Protection | Common Mode: 4KV<br>Differential mode 2KV                                                                      | Common Mode: 4KV<br>Differential mode 2KV                                                                      | Common Mode: 6KV<br>Differential mode 6KV                                                                        | Common Mode: 6KV<br>Differential I mode 6KV                                                                      | Common Mode: 6KV<br>Differential mode 6KV                                                                      | Common Mode: 6KV<br>Differential mode 6KV                                                                      | Common Mode: 6KV<br>Differential mode 6KV                                                                      | Common Mode: 6KV<br>Differential mode 6KV                                                                      |
| Airflow                       | Left to right                                                                                                  | front to back                                                                                                  | N/A                                                                                                              | N/A                                                                                                              | N/A                                                                                                            | N/A                                                                                                            | front to back &Left to back                                                                                    | Left to right                                                                                                  |
| Fan Speed Control             | Fan Speed Auto-Adjustment                                                                                      | Fan Speed Auto-Adjustment                                                                                      | N/A                                                                                                              | N/A                                                                                                              | N/A                                                                                                            | N/A                                                                                                            | Yes                                                                                                            | Yes                                                                                                            |
| Acoustic Noise Level          | <45dB<br>(when the device works normally)                                                                      | <45dB<br>(when the device works normally)                                                                      | Fanless                                                                                                          | Fanless                                                                                                          | Fanless                                                                                                        | Fanless                                                                                                        | <40dB<br>(when the device works normally)                                                                      | <40dB<br>(when the device works normally)                                                                      |
| Operating Temperature         | 0 to 40℃                                                                                                       | 0 to 40℃                                                                                                       | 0 to 50℃                                                                                                         | 0 to 50℃                                                                                                         | 0 to 50℃                                                                                                       | 0 to 50℃                                                                                                       | 0 to 40℃                                                                                                       | 0 to 40℃                                                                                                       |

| Model                                    | RG-ES218GC-P                                                                                           | RG-ES226GC-P                                                                                           | RG-ES216GC                                                          | RG-ES224GC                                                          | RG-ES216GC-V2                                                       | RG-ES224GC-V2                                                                 | RG-ES228GS-P                                                                                           | RG-ES220GS-P                                                                                           |
|------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Storage Temperature                      | -40~70℃                                                                                                | -40~70℃                                                                                                | -40~70℃                                                             | -40~70℃                                                             | -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 )                                                | 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 )                                                 | 5% to 95% RH(non-condensing )                                                                          | 5% to 95% RH(non-condensing )                                                                          |
| Electrostatic Discharge (ESD) Protection | Air Discharge: 6KV<br>Contact Discharge: 4KV                                                           | Air Discharge: 6KV<br>Contact Discharge: 4KV                                                           | Air Discharge: 8KV<br>Contact Discharge: 6KV                        | Air Discharge: 8KV<br>Contact Discharge: 6KV                        | Air Discharge: 8KV<br>Contact Discharge: 6KV                        | Air Discharge: 8KVContact Discharge: 6KV                                      | Air Discharge: 8KV<br>Contact Discharge: 6KV                                                           | Air Discharge: 8KV<br>Contact Discharge: 6KV                                                           |
| Casing                                   | Metal                                                                                                  | Metal                                                                                                  | Metal                                                               | Metal                                                               | Metal                                                               | Metal                                                                         | Metal                                                                                                  | Metal                                                                                                  |
| Mounting                                 | Rack installation                                                                                      | Rack installation                                                                                      | Rack installation                                                   | Rack installation                                                   | Rack installation                                                   | Rack installation                                                             | Rack installation                                                                                      | Rack installation                                                                                      |
| LEDs                                     | System: SYS(Green)<br>Per RJ45<br>PoE+ Ports: LINK/ACT(Green)<br>Per SFP<br>Interface: LINK/ACT(Green) | System: SYS(Green)<br>Per RJ45<br>PoE+ Ports: LINK/ACT(Green)<br>Per SFP<br>Interface: LINK/ACT(Green) | System: SYS(Green)<br>Per RJ45<br>Ports: LINK/ACT(Green)            | System: SYS(Green)<br>Per RJ45<br>Ports: LINK/ACT(Green)            | System: SYS(Green)<br>Per RJ45<br>Ports: LINK/ACT(Green)            | System: SYS(Green)<br>Per RJ45<br>Ports: LINK/ACT(Green)                      | System: SYS(Green)<br>Per RJ45<br>PoE+ Ports: LINK/ACT(Green)<br>Per SFP<br>Interface: LINK/ACT(Green) | System: SYS(Green)<br>Per RJ45<br>PoE+ Ports: LINK/ACT(Green)<br>Per SFP<br>Interface: LINK/ACT(Green) |
| Operating Altitude (m)                   | -500~5000M                                                                                             | -500~5000M                                                                                             | -500~5000M                                                          | -500~5000M                                                          | -500~5000M                                                          | -500~5000M                                                                    | -500~5000M                                                                                             | -500~5000M                                                                                             |
| Certification                            | CE;FCC                                                                                                 | CE;FCC                                                                                                 | CE                                                                  | CE                                                                  | CE                                                                  | CE                                                                            | CE;FCC                                                                                                 | CE;FCC                                                                                                 |
| EMC                                      | EN 55032:2015<br>+AC:2016<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013                                    | EN 55032:2015<br>+AC:2016<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013                                    | EN 55032:2015<br>+AC:2016<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013 | EN 55032:2015<br>+AC:2016<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013 | EN 55032:2015<br>+AC:2016<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013 | GB/T 9254.1-2021<br>class A<br>EN 55032:2015<br>+AC:2016<br>EN 61000-3-2:2014 | GB/T 9254.1-2021<br>class A<br>EN 55032:2015<br>+AC:2016<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013     | EN 55032:2015<br>+AC:2016<br>EN 61000-3-2:2014<br>EN 61000-3-3:2013                                    |

| Model | RG-<br>ES218GC-P                                           | RG-<br>ES226GC-P                                           | RG-<br>ES216GC                                             | RG-<br>ES224GC                                                    | RG-<br>ES216GC-V2                                                                   | RG-<br>ES224GC-V2                                                                   | RG-<br>ES228GS-P                                           | RG-<br>ES220GS-P                                           |
|-------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
|       | EN<br>55035:2017<br>ETSI EN 300<br>386 V2.1.1<br>(2016-07) | EN<br>55035:2017<br>ETSI EN 300<br>386 V2.1.1<br>(2016-07) | EN<br>55035:2017<br>ETSI EN 300<br>386 V2.1.1<br>(2016-07) | EN<br>55035:201<br>7<br>ETSI EN<br>300 386<br>V2.1.1<br>(2016-07) | EN 61000-3-<br>3:2013<br>EN<br>55035:2017<br>ETSI EN 300<br>386 V2.1.1<br>(2016-07) | EN 61000-3-<br>3:2013<br>EN<br>55035:2017<br>ETSI EN 300<br>386 V2.1.1<br>(2016-07) | EN<br>55035:2017<br>ETSI EN 300<br>386 V2.1.1<br>(2016-07) | EN<br>55035:2017<br>ETSI EN 300<br>386 V2.1.1<br>(2016-07) |

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