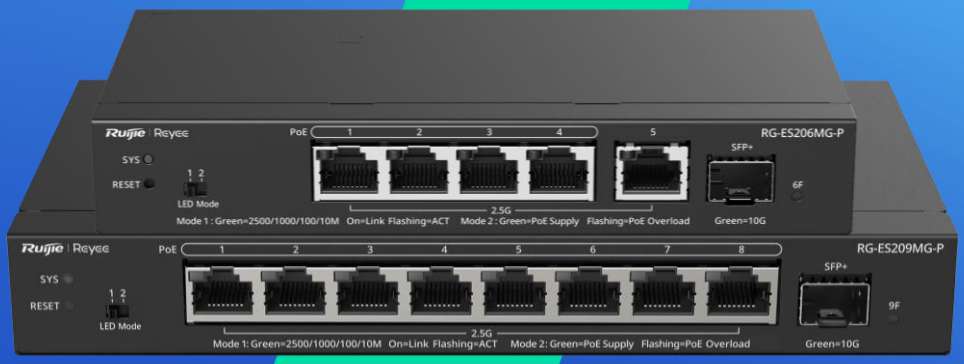
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RG-ES200 Series

2.5G Cloud Managed PoE Switch, 1 x 10G Uplink

DATASHEET Explore More



Highlights

- Multiple 2.5G ports and 1 x 10GE SFP+ port for higher network performance
- Multiple PoE Out ports supporting IEEE 802.3 af/at standards
- Aggregation of up to 4 ports, unlocking higher network speed
- Cost-effective smart cloud managed switches
- Lifetime free cloud management on Ruijie Cloud anytime, anywhere

Highlight Features





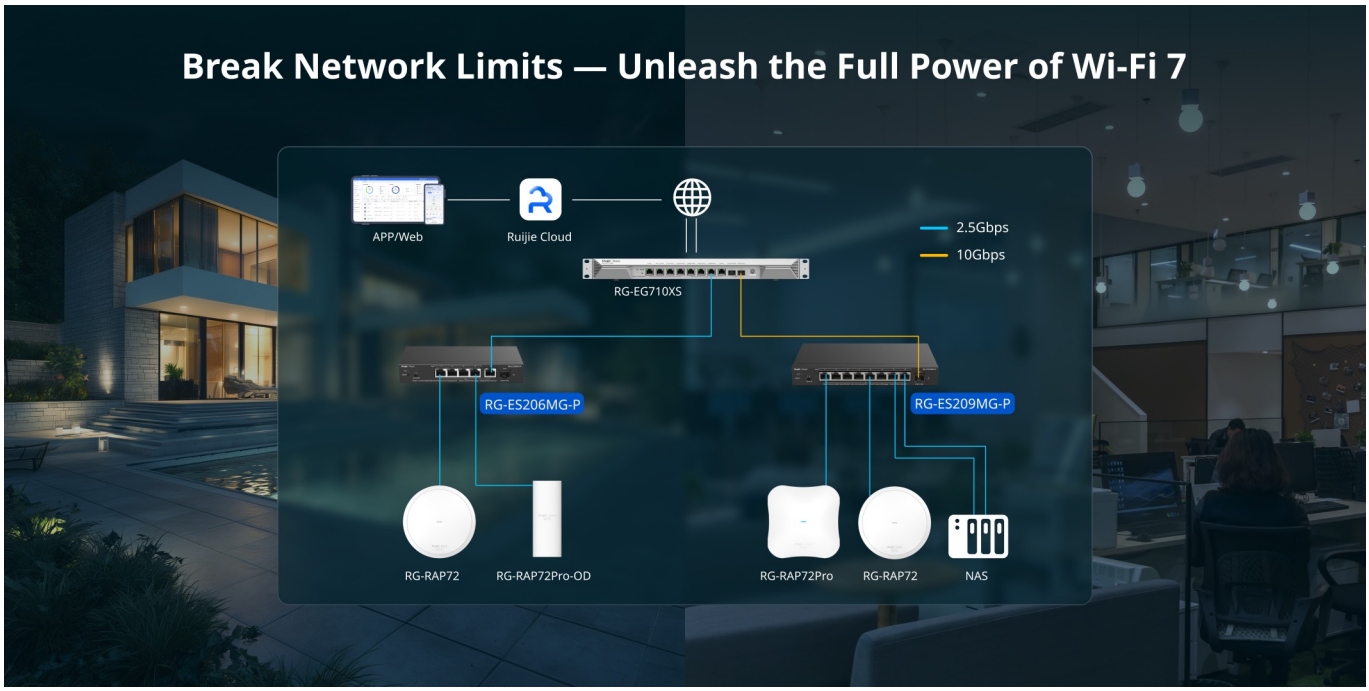
Image for reference only. Actual product may vary.

Highlight Features





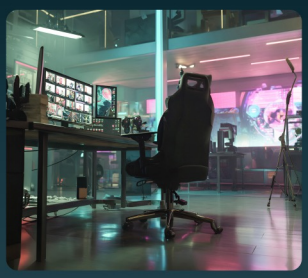
Highlight Features



Why Not 2.5Gbps on Every Port?



Higher internal network throughput, smoother performance during peak hours.

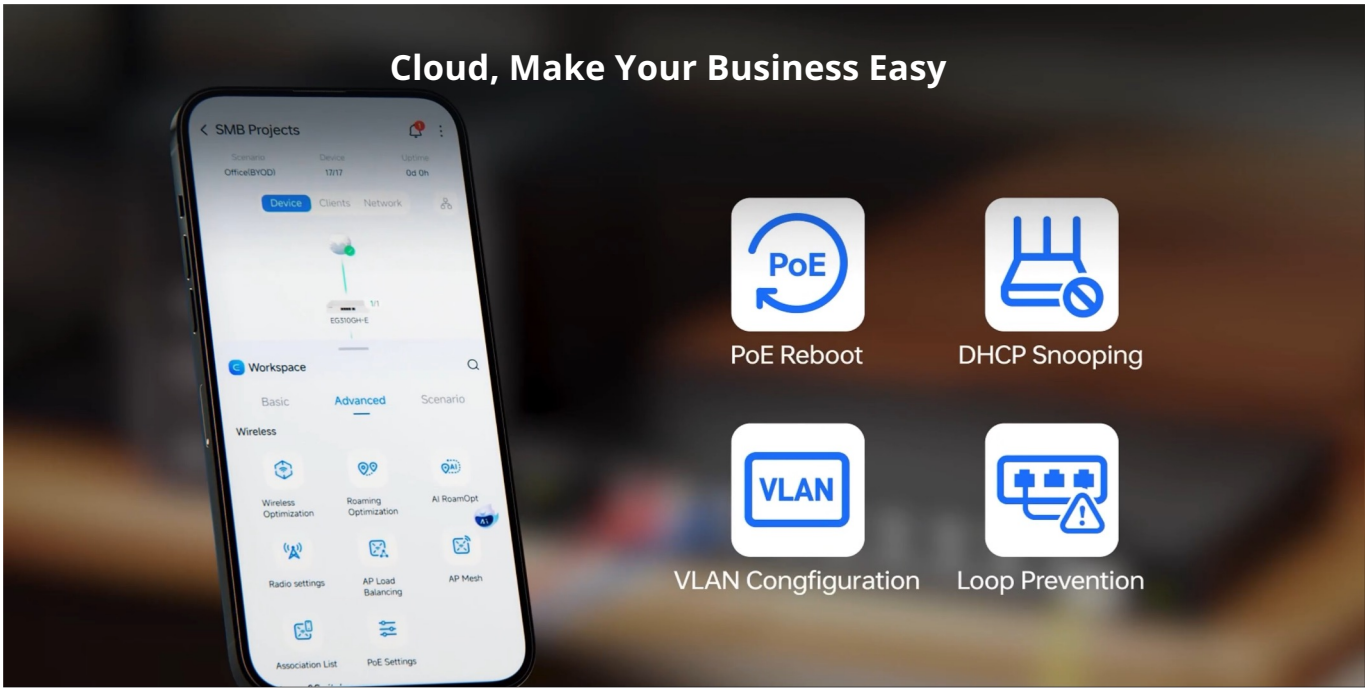


Experience wireless performance without limits.



Make every gig count with no bandwidth left behind.

Highlight Features



Specifications

Specifications		RG-ES206MG-P	RG-ES209MG-P
Product Information			
Product category	/	Layer 2	Layer 2
Hardware Specifications			
Product Information	Warranty	3 years	3 years
Port Specifications	Total number of RJ45 ports	5	8
	Total number of optical ports	1	1
	Number of 10GE SFP+ ports	1	1
	Number of 10/100/1000/2500BASE-T ports	5	8
Interface Specifications	Reset button	1	1
	DIP switch	LED mode switch toggled to left (Mode 1): The port LED status indicates the status of traffic transmission. Solid green means that the port is link up, while blinking green means that the port is transmitting and receiving data. LED mode switch toggled to right (Mode 2): The port LED status indicates the PoE status. Solid green means that the port is supplying power, while blinking green means that the port is in power overload state.	LED mode switch toggled to left (Mode 1): The port LED status indicates the status of traffic transmission. Solid green means that the port is link up, while blinking green means that the port is transmitting and receiving data. LED mode switch toggled to right (Mode 2): The port LED status indicates the PoE status. Solid green means that the port is supplying power, while blinking green means that the port is in power overload state.
Power Supply and Consumption	PoE standard	PoE/PoE+ (IEEE 802.3af/at)	PoE/PoE+ (IEEE 802.3af/at)
	Number of PoE Out ports	4	8
	Number of PoE/PoE+ Out ports	4	8
	PoE budget	70 W	130 W

Specifications		RG-ES206MG-P	RG-ES209MG-P
	PoE power pins	1–2 (+), 3–6 (-)	1–2 (+), 3–6 (-)
	Power input	DC adapter: ● 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: 1.5 A Output: ● Rated output voltage: 54 V DC ● Maximum output current: 1.48 A	DC adapter: ● 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: 2.5 A Output: ● Rated output voltage: 54 V DC ● Maximum output current: 2.78 A
	Maximum power consumption	5.5 W (with no PoE load) 75.5 W (with PoE full load)	8.5 W (with no PoE load) 138.5 W (with PoE full load)
	Power supply	DC power adapter	DC power adapter
System Specifications	CPU	MAC chip, single-core processor, 62.5 MHz clock frequency	MAC chip, single-core processor, 62.5 MHz clock frequency
	Flash memory	4 MB	4 MB
	Forwarding rate	33.75 Mpps	45 Mpps
	Switching capacity	45 Gbps (bit/s)	60 Gbps (bit/s)
Dimensions and Weight	Casing	Metal	Metal
	Product dimensions (W x D x H)	172 mm x 90.8 mm x 28 mm (6.77 in. x 3.57 in. x 1.1 in.)	202 mm x 108 mm x 28 mm (7.95 in. x 4.25 in. x 1.1 in.)
	Weight	0.49 kg (1.08 lbs) (without packaging materials) 1.39 kg (3.06 lbs) (with packaging materials)	0.66 kg (1.46 lbs) (without packaging materials) 1.63 kg (3.59 lbs) (with packaging materials)
	Shipping weight	1.39 kg (3.06 lbs)	1.63 kg (3.59 lbs)
Environment and Reliability	Fan	Fanless design	Fanless design
	Cooling	Natural cooling	Natural cooling
	Mounting options	Wall/Desk	Wall/Desk
	Hot swapping of cables	Hot swapping supported by the service port and power connector	Hot swapping supported by the service port and power connector
	MTBF	200,000 hours	200,000 hours

Specifications		RG-ES206MG-P	RG-ES209MG-P
	Operating temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
	Storage temperature	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)
	Operating humidity	10% RH to 90% RH (non-condensing)	10% RH to 90% RH (non-condensing)
	Storage humidity	5% RH to 95% RH (non-condensing)	5% RH to 95% RH (non-condensing)
	Altitude	–500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)	–500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)
	Corrosion class	N/A	N/A
	ESD protection	Air discharge: 8 kV Contact discharge: 6 kV	Air discharge: 8 kV Contact discharge: 6 kV
	Surge protection	Service port: ±4 kV for common mode Power connector: ±4 kV for common mode and ±4kV for differential mode	Service port: ±4 kV for common mode Power connector: ±4 kV for common mode and ±4 kV for differential mode
Certification and Regulatory Compliance	EMC	EN 55032 EN 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386	EN 55032 EN 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386
	Safety compliance	EN 62638-1	EN 62638-1
	Certification	CE	CE
Software Specifications			
System Performance Capacity	Recommended camera limit	200W H265: 70 400W H265: 35	200W H265: 90 400W H265: 45
Basic Configurations	PoE watchdog	Yes	Yes
	Online upgrade	Yes	Yes
Interface	Jumbo frame length (MTU)	9216 bytes	9216 bytes
	EEE	Yes	Yes
	Cable test	Yes	Yes

Specifications		RG-ES206MG-P	RG-ES209MG-P
Ethernet Switching	Maximum number of VLANs	16	16
	Maximum number of MAC address entries	4000	4000
	Interface flow control	Yes	Yes
	IEEE 802.1Q VLAN	Yes	Yes
	Port-based VLAN	Yes	Yes
	LLDP	No	No
	LLDP-MED	No	No
	Static MAC address	Yes	Yes
	Static aggregation	Yes	Yes
	LACP	No	No
	Inbound or outbound rate limiting based on interface traffic	Yes	Yes
Multicast	IGMPv1 snooping	No	No
	IGMPv2 snooping	No	No
	Basic IGMPv3 snooping	No	No
	Full IGMPv3 snooping	No	No
	IGMP filtering	No	No
	IGMPv1, v2, and v3	No	No
IP Service	ARP	No	No
	IPv4 ping	No	No
	IPv4 traceroute	No	No
	ICMPv6	No	No
	IPv6 ping	No	No
	IPv6 traceroute	No	No
	DNS client	Yes	Yes

Specifications		RG-ES206MG-P	RG-ES209MG-P
	DHCP client	Yes	Yes
IP Routing	IPv4 static route	No	No
	IPv6 static route	No	No
	OSPFv2	No	No
	OSPFv3	No	No
Gateway Features	802.1p priority-based traffic classification	No	No
	DSCP priority-based traffic classification	No	No
Network Management and Monitoring	Mirroring	Yes	Yes
	HTTP login	Yes	Yes
	HTTPS login	No	No
	SON	Yes	Yes
	Syslog	No	No
	Camera detection	Yes	Yes
	eWeb management	Yes	Yes
	Ruijie Cloud management	Yes	Yes
	Ruijie Reyee App management	Yes	Yes
	SNMPv1, v2c, and v3	No	No
Authentication	RADIUS	No	No
	802.1X authentication	No	No
Security	Port isolation	Yes	Yes
	Broadcast storm control	Yes	Yes
	Multicast storm control	Yes	Yes
	Unknown unicast storm control	Yes	Yes
	DHCP snooping	Yes	Yes
	Standard ACL	No	No

Specifications		RG-ES206MG-P	RG-ES209MG-P
	Extended MAC ACL	No	No
	Extended IP ACL	No	No
	IPv6 ACL	No	No
	ARP anti-spoofing	No	No
	CPU Protection Policy	Yes	Yes
Package Contents			
Device	Device	1	1
Manual	User Manual	1	1
	Warranty Card	1	1

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Ruijie Networks Co., Ltd.

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

Highlight Features





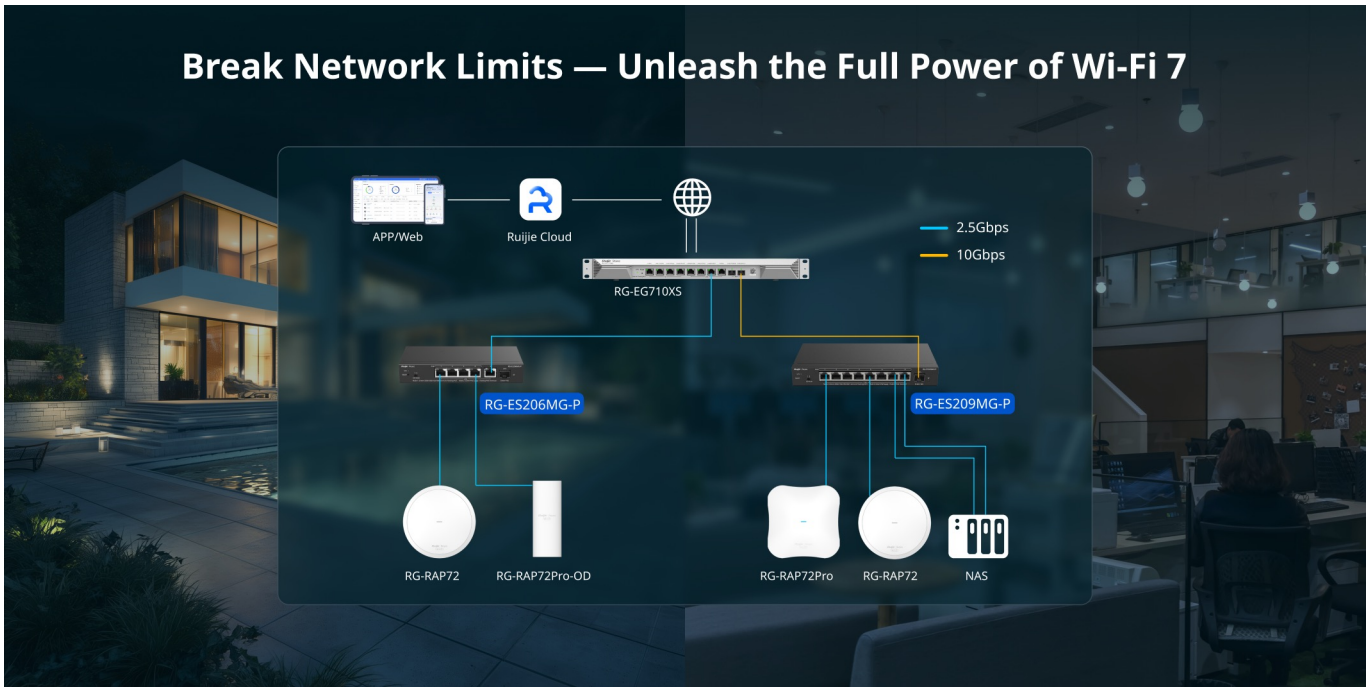
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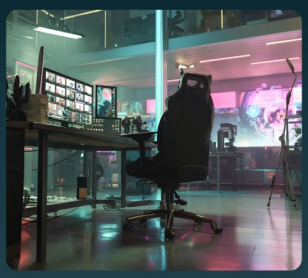
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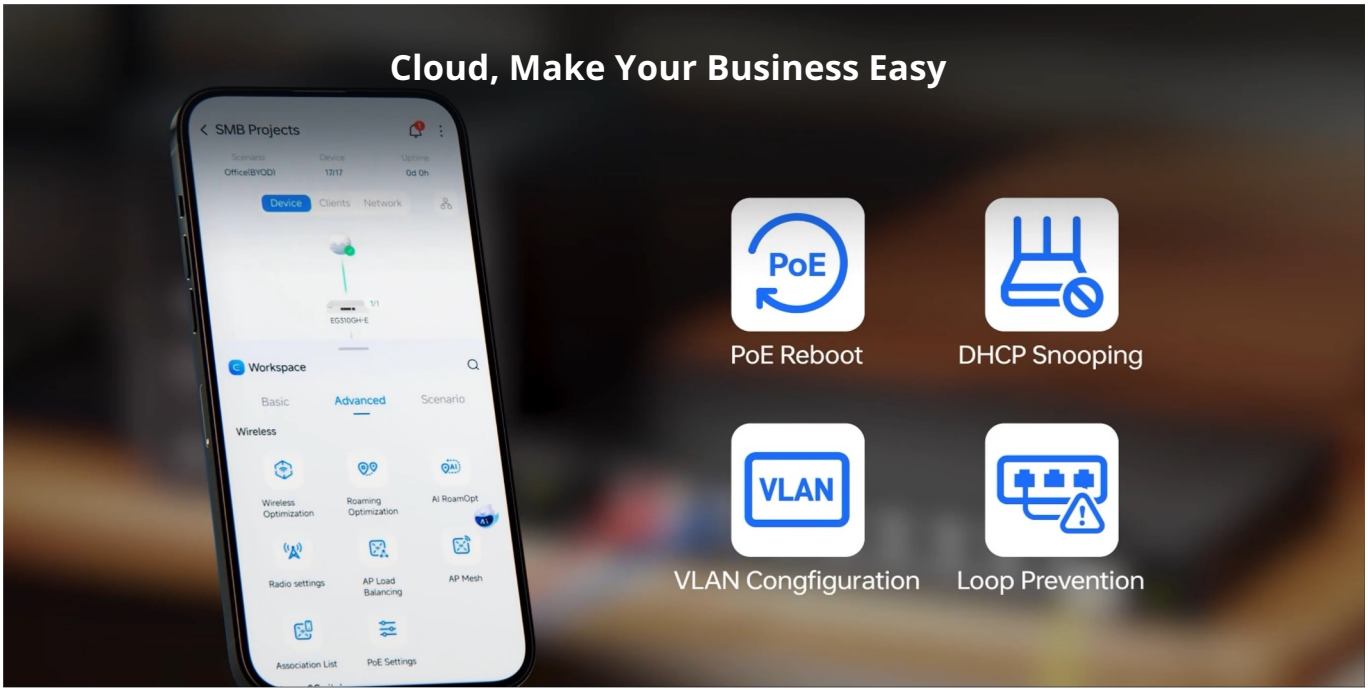


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Highlight Features



Specifications

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Product category	/	Layer 2	Layer 2
Hardware Specifications			
Product Information	Warranty	3 years	3 years
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	Total number of optical ports	1	1
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	Number of PoE Out ports	4	8
	Number of PoE/PoE+ Out ports	4	8
	PoE budget	70 W	130 W
	PoE power pins	1–2 (+), 3–6 (-)	1–2 (+), 3–6 (-)

Specifications		RG-ES206MG-P	RG-ES209MG-P
	Power input	DC adapter: ● 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: 1.5 A Output: ● Rated output voltage: 54 V DC ● Maximum output current: 1.48 A	DC adapter: ● 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: 2.5 A Output: ● Rated output voltage: 54 V DC ● Maximum output current: 2.78 A
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	Power supply	DC power adapter	DC power adapter
System Specifications	CPU	MAC chip, single-core processor, 62.5 MHz clock frequency	MAC chip, single-core processor, 62.5 MHz clock frequency
	Flash memory	4 MB	4 MB
	Forwarding rate	33.75 Mpps	45 Mpps
	Switching capacity	45 Gbps (bit/s)	60 Gbps (bit/s)
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	Hot swapping of cables	Hot swapping supported by the service port and power connector	Hot swapping supported by the service port and power connector
	MTBF	200,000 hours	200,000 hours
	Operating temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)

Specifications		RG-ES206MG-P	RG-ES209MG-P
	Storage temperature	–40°C to +70°C (–40°F to +158°F)	–40°C to +70°C (–40°F to +158°F)
	Operating humidity	10% RH to 90% RH (non-condensing)	10% RH to 90% RH (non-condensing)
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	Altitude	–500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)	–500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)
	Corrosion class	N/A	N/A
	ESD protection	Air discharge: 8 kV Contact discharge: 6 kV	Air discharge: 8 kV Contact discharge: 6 kV
	Surge protection	Service port: ±4 kV for common mode Power connector: ±4 kV for common mode and ±4kV for differential mode	Service port: ±4 kV for common mode Power connector: ±4 kV for common mode and ±4 kV for differential mode
Certification and Regulatory Compliance	EMC	EN 55032 EN 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386	EN 55032 EN 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386
	Safety compliance	EN 62638-1	EN 62638-1
	Certification	CE	CE
Software Specifications			
System Performance Capacity	Recommended camera limit	200W H265: 70 400W H265: 35	200W H265: 90 400W H265: 45
Basic Configurations	PoE watchdog	Yes	Yes
	Online upgrade	Yes	Yes
Interface	Jumbo frame length (MTU)	9216 bytes	9216 bytes
	EEE	Yes	Yes
	Cable test	Yes	Yes
Ethernet Switching	Maximum number of VLANs	16	16

Specifications		RG-ES206MG-P	RG-ES209MG-P
	Maximum number of MAC address entries	4000	4000
	Interface flow control	Yes	Yes
	IEEE 802.1Q VLAN	Yes	Yes
	Port-based VLAN	Yes	Yes
	LLDP	No	No
	LLDP-MED	No	No
	Static MAC address	Yes	Yes
	Static aggregation	Yes	Yes
	LACP	No	No
	Inbound or outbound rate limiting based on interface traffic	Yes	Yes
Multicast	IGMPv1 snooping	No	No
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	Basic IGMPv3 snooping	No	No
	Full IGMPv3 snooping	No	No
	IGMP filtering	No	No
	IGMPv1, v2, and v3	No	No
IP Service	ARP	No	No
	IPv4 ping	No	No
	IPv4 traceroute	No	No
	ICMPv6	No	No
	IPv6 ping	No	No
	IPv6 traceroute	No	No
	DNS client	Yes	Yes
	DHCP client	Yes	Yes

Specifications		RG-ES206MG-P	RG-ES209MG-P
IP Routing	IPv4 static route	No	No
	IPv6 static route	No	No
	OSPFv2	No	No
	OSPFv3	No	No
Gateway Features	802.1p priority-based traffic classification	No	No
	DSCP priority-based traffic classification	No	No
Network Management and Monitoring	Mirroring	Yes	Yes
	HTTP login	Yes	Yes
	HTTPS login	No	No
	SON	Yes	Yes
	Syslog	No	No
	Camera detection	Yes	Yes
	eWeb management	Yes	Yes
	Ruijie Cloud management	Yes	Yes
	Ruijie Reyee App management	Yes	Yes
	SNMPv1, v2c, and v3	No	No
Authentication	RADIUS	No	No
	802.1X authentication	No	No
Security	Port isolation	Yes	Yes
	Broadcast storm control	Yes	Yes
	Multicast storm control	Yes	Yes
	Unknown unicast storm control	Yes	Yes
	DHCP snooping	Yes	Yes
	Standard ACL	No	No
	Extended MAC ACL	No	No

Specifications		RG-ES206MG-P	RG-ES209MG-P
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	IPv6 ACL	No	No
	ARP anti-spoofing	No	No
	CPU Protection Policy	Yes	Yes
Package Contents			
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Manual	User Manual	1	1
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