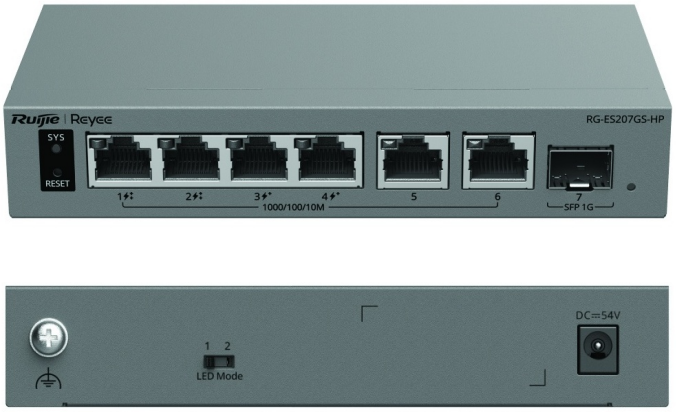
7 Port Gigabit Layer 2 Smart Cloud-Managed PoE++ Network Switch (2x PoE++, 2x PoE+, 2x RJ45 GbE, 1x SFP), 120 W

RG-ES207GS-HP

The RG-ES207GS-HP is a compact seven-port Gigabit Layer 2 smart cloud-managed PoE++ switch designed for business, CCTV and commercial networks. It features four Gigabit PoE ports, including two PoE++ ports for high-powered devices, supported by a substantial 120 W PoE budget. Two additional Gigabit Ethernet ports and one Gigabit SFP uplink provide flexible connectivity, while IP camera recognition, PoE watchdog, AI-powered failover and lifetime-free Ruijie Cloud management simplify network operation.



3-Year Manufacturer's Warranty
For full terms & conditions, please see – Ruijie Warranty T&Cs.

Features and Benefits

- Four Gigabit PoE ports with a 120 W power budget provide high-speed data and power for cameras, access points and other PoE devices.
- Two PoE++ ports support higher-powered equipment, providing greater flexibility for demanding cameras, access points and network devices.
- Two additional Gigabit Ethernet ports and one Gigabit SFP port provide flexible copper and fibre uplink connectivity.
- IP camera recognition and PoE watchdog simplify CCTV management and automatically restart unresponsive cameras.
- Uninterrupted PoE during warm restarts and AI-powered failover help minimise network and surveillance downtime.
- Lifetime-free Ruijie Cloud and Reyee App management enable convenient remote configuration, monitoring and maintenance.

Specifications

Hardware Specifications

Dimensions and Weight

Casing	Metal
Product dimensions (W x D x H)	155 mm x 78 mm x 28 mm (6.10 in. x 3.07 in. x 1.10 in.)
Weight	0.29 kg (0.64 lbs) (without packaging materials)
Shipping weight	1.06 kg (2.34 lbs)

System Specifications

Flash memory	8 MB
Forwarding rate	10.42 Mpps
Switching capacity	14 Gbps(bit/s)

Product Information

Warranty	3 years

Power Supply and Consumption

PoE Out standard	Port 1-2: PoE/PoE+/PoE++ (IEEE 802.3af/at/bt) Port 3-4: PoE/PoE+ (IEEE 802.3af/at)
Number of PoE Out ports	4
Number of PoE/PoE+ Out ports	4
Number of PoE/PoE+/PoE++ Out ports	2
PoE budget	120 W
PoE power pins	Port 1-2: 1–2 (-), 3–6 (+), 4–5 (+), 7–8 (-) Ports 3-4: 1–2 (+), 3–6 (-)

Power Supply and Consumption (continued)

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: 2 A Output: • Rated output voltage: 54 V DC • Maximum output current: 2.5 A
Maximum power consumption	5 W (with no PoE load) 125 W (with full PoE load)
Power supply	DC power adapter

Environment and Reliability

Fan	Fanless design
Cooling	Natural cooling
Mounting options	Wall/Desk
Hot swapping of cables	Hot swapping supported by the service port and power connector
MTBF	200,000 hours
Operating temperature	0°C to +40°C (32°F to 104°F)
Storage temperature	–40°C to +70°C (–40°F to +158°F)
Operating humidity	10% RH to 90% RH (non-condensing)
Storage humidity	5% RH to 95% RH (non-condensing)
Altitude	–500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)
ESD protection	Air discharge: 8 kV Contact discharge: 6 kV
Surge protection	Service port: ±6 kV for common mode Power connector: ±4 kV for common mode and ±2 kV for differential mode

Port Specifications

Total number of RJ45 ports	6
Total number of optical ports	1
Number of 1GE SFP ports	1
Number of 10/100/1000BASE-T ports	6
Reset button	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.

Certification and Regulatory Compliance

EMC	EN 55032 EN IEC 61000-3-2 EN 61000-3-3 EN 55035 EN 300 386
Safety compliance	EN 62368-1 IEC 62368-1
Certification	CE, CB

Software Specifications

Authentication

RADIUS	No

Authentication (continued)

802.1X authentication	No

Basic Configurations

PoE watchdog	Yes
Uninterruptible power supply upon warm start	Yes
Online upgrade	Yes

Ethernet Switching

Maximum number of VLANs	32
Maximum number of MAC address entries	2000
Interface flow control	Yes
IEEE 802.1Q VLAN	Yes
LLDP	No
LLDP-MED	No
Static MAC address	Yes
Static aggregation	Yes
LACP	No
Inbound or outbound rate limiting based on interface traffic	Yes

System Performance Capacity

Recommended camera limit	200W H265: 40 400W H265: 20

Security

Port isolation	Yes
Broadcast storm control	Yes
Multicast storm control	Yes
Unknown unicast storm control	Yes

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Security (continued)

DHCP snooping	Yes
Standard ACL	No
Extended MAC ACL	No
Extended IP ACL	No
IPv6 ACL	No
ARP anti-spoofing	No
CPU Protection Policy	Yes

IP Service

ARP	No
IPv4 ping	Yes
IPv4 traceroute	No
ICMPv6	No
IPv6 ping	No
IPv6 traceroute	No
DNS client	Yes
DHCP client	Yes

Gateway Features

802.1p priority-based traffic classification	No
DSCP priority-based traffic classification	No

IP Routing

IPv4 static route	No
IPv6 static route	No
OSPFv2	No
OSPFv3	No

Multicast

IGMPv1 snooping	No
IGMPv2 snooping	No
Basic IGMPv3 snooping	No
Full IGMPv3 snooping	No
IGMP filtering	No

Multicast (continued)

IGMPv1, v2, and v3	No

Network Management and Monitoring

Mirroring	Yes
HTTP login	Yes
HTTPS login	Yes
SON	Yes
Syslog	No
Camera detection	Yes
eWeb management	Yes
Ruijie Cloud management	Yes
Ruijie Reyee App management	Yes
SNMPv1, v2c, and v3	No

Interface

Jumbo frame length (MTU)	9216 bytes
EEE	Yes
Cable test	Yes

Package Contents

Accessories

Power cord	1 x 0.8 m (2.62 ft.), 1 x 1 m (3.28 ft.), 1 x 1.2 m (3.94 ft.) or 1 x 1.5 m (4.92 ft.) Note: There are four power cord lengths. Please refer to the actual delivery.

Device

Device	1

Manual

User Manual	1
Warranty Card	1