

7-Port Gigabit Outdoor Switch with DC/PoE Input - 6-60 W*

RG-ES207GS-PI-OD



The RG-ES207GS-PI-OD is a seven-port Gigabit Layer 2 smart cloud-managed outdoor PoE switch designed for CCTV, wireless and remote network installations. Its IP65 weatherproof enclosure supports PoE/PoE+/PoE++ or 12 V DC input, providing flexible power options where AC power is unavailable. It features four Gigabit PoE/PoE+ outputs, one Gigabit PoE input and two Gigabit SFP ports. ERPS, camera recognition, PoE watchdog and Ruijie Cloud management help maintain a reliable, easily managed outdoor network.

3-Year Manufacturer's Warranty

For full terms & conditions, please see – Ruijie Warranty T&Cs.

Features and Benefits

- » PoE/PoE+/PoE++ or 12 V DC input provides flexible powering options for outdoor locations without a nearby AC outlet.
- » Four Gigabit PoE/PoE+ outputs provide up to a 60 W PoE budget when powered by a 90 W PoE++ input.
- » Two Gigabit SFP ports provide flexible fibre connectivity and support ERPS redundancy for improved network continuity.
- » IP65 weatherproof construction and a -30°C to +65°C operating range enable reliable performance in demanding outdoor environments.
- » PoE watchdog, camera recognition and uninterrupted PoE during warm restarts simplify CCTV troubleshooting and minimise downtime.
- » 8 kV surge protection and lifetime-free Ruijie Cloud management provide protected, remotely monitored outdoor operation.

* PoE output budget is subject to powering input method. Refer to manual or datasheet for further details.



Specifications

Hardware Specifications

Environment and Reliability

Fan	Fanless design
Cooling	Natural cooling
Mounting options	Wall/Pole
Hot swapping of cables	Hot swapping supported by the service port and power connector
MTBF	200,000 hours
Operating temperature	-30°C to +65°C (-22°F to 149°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: ±8 kV for common mode (ports 1-4) ±2 kV for common mode (port 5) Power connector: ±2 kV for common mode

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System Specifications

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

Product Information

Warranty	3 years
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Power Supply and Consumption

PoE Out standard	PoE/PoE+ (IEEE 802.3af/at)
Number of PoE Out ports	4
Number of PoE/PoE+ Out ports	4
PoE budget	PoE input (PoE++) at 90 W: 60 W PoE input (PoE++) at 60 W: 40 W PoE input (PoE+) at 30 W: 19 W PoE input (PoE) at 15.4 W: 6 W
PoE power pins	1-2 (+), 3-6 (-)
Power input	DC input: • Rated voltage range: 12 V DC • Rated current range: 0.5 A PoE In: PoE/PoE+/PoE++
Maximum power consumption	6 W (with no PoE load) 66 W (with full PoE load)
Power supply	• DC power adapter • PoE/PoE+/PoE++ IN
PoE In standard	• IEEE 802.3af (PoE) • IEEE 802.3at (PoE+) • IEEE 802.3bt (PoE++)
Number of PoE In ports	1

Dimensions and Weight

Casing	Plastic
Product dimensions (W x D x H)	258 mm x 200 mm x 62.8 mm (10.16 in. x 7.87 in. x 2.47 in.)
Weight	0.95 kg (2.09 lbs) (without packaging materials)
Shipping weight	1.61 kg (3.55 lbs)

Port Specifications

Total number of RJ45 ports	5
Total number of optical ports	2
Number of 1GE SFP ports	2
Number of 10/100/1000BASE-T ports	5
Reset button	1

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
802.1X authentication	No

Basic Configurations

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

Security

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

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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

IP Service

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

System Performance Capacity

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

Multicast

IGMPv1 snooping	No
IGMPv2 snooping	No
Basic IGMPv3 snooping	No
Full IGMPv3 snooping	No
IGMP filtering	No
IGMPv1, v2, and v3	No

Reliability

Load balancing	No
ERPS	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

Package Contents

Device

Device	1
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Manual

User Manual	1
Warranty Card	1

Accessories

Screw	4 x ST4.2 x 19 mm screws
Mounting bracket	1
Hose clamp	2
Expansion anchor	4
Terminal block	1