

RG-ES100 Series Unmanaged Switch

DATASHEET

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Highlights

- Cloud visible even unmanaged switch
- Large buffer for smooth data transmission
- Intelligent PoE management
- High-quality makes network reliable
- Better quality design
- Designed for various scenarios

Highlight Features

RG-ES100 Series Unmanaged Switch



Plug & Play

Reliable

3 Years Warranty

Cloud Visible Even Unmanaged Switch

* Unmanaged switch visible on cloud requires at least 1 managed switch in the same network



Large Buffer for Smooth Data Transmission

Hardware flow control, guarantee the large buffer



Highlight Features

Intelligent PoE Management

Fit for various powered devices, single port up to 30W

5W MAX Wall AP

9W MAX IP Camera

12.95W MAX Ceiling AP

24W MAX IP PTZ Camera

Ruijie ES106D-P V2

SYS

Flow Control On

Flow Control Off

Port Isolation

PoE

Link Light : 10M/100M Link Act

Right Light : PoE Good Supply PoE Over Load

uplink

High-quality Makes Network Reliable

Stable without frequent reboot

Ruijie RG-E3110D-P

Link/Act PSE Link/Act Link/Act Link/Act

Fanless, Quiet

Green(802.3az)

Energy Saving

Better Quality Design

Strict standards in PCB design and component selection

Adopt high-quality Japanese capacitor to double the battery lifespan, offering reliable experience.

The built-in MCU of the PoE module enables smart power distribution.

Highlight Features

Designed for Various Scenarios



Specification	RG-ES105GD	RG-ES108GD	RG-ES110D-P	RG-ES110GDS-P	RG-ES118S-LP	RG-ES126S-P V2	RG-ES126S-LP V2
Warranty	3	3	3	3	3	3	3
Layer2 features							
PoE Watchdog	No	No	Yes	Yes	Yes	Yes	Yes
Hardware Specifications							
DIP Switch	No	No	Switchover in three modes:	Switchover in three modes:	Switchover in three modes:	Switchover in three modes:	Switchover in three modes:
			1. Flow Control On	1. Flow Control On	1. Flow Control On	1. Flow Control On	1. Flow Control On
			2. Flow Control Off	2. Flow Control Off	2. Flow Control Off	2. Flow Control Off	2. Flow Control Off
			3. Port Isolation	3. Port Isolation	3. Port Isolation	3. Port Isolation	3. Port Isolation
Cable Hot-Swappable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Supply	AC input	AC input					
	Rated voltage range: 100V to 240V	Rated voltage range: 100V to 240V					
	Maximum voltage range: 90V to 264V	Maximum voltage range: 90V to 264V	Rated voltage range: 100-240V~	Rated voltage range: 100-240V~	Rated voltage range: 100-240V~	Rated voltage range: 100-240V~	Rated voltage range: 100-240V~
Frequency: 50/60 Hz	Frequency: 50/60 Hz	Maximum voltage range: 90-264V~	Maximum voltage range: 90-264V~	Maximum voltage range: 90-264V~	Maximum voltage range: 90-264V~	Maximum voltage range: 90-264V~	Maximum voltage range: 90-264V~
Rated current: 0.3A	Rated current: 0.3A	Frequency: 50/60Hz	Frequency: 50/60Hz	Frequency: 50/60Hz	Frequency: 50/60Hz	Frequency: 50/60Hz	Frequency: 50/60Hz
Adapter output	Adapter output	Rated current: 3.0A	Rated current: 3.0A	Rated current: 3.0A	Rated current: 3.0A	Rated current: 6.0A	Rated current: 3A
Rated voltage range: 5V DC	Rated voltage range: 5V DC						
Rated current range: 1A	Rated current range: 1A						
Power Consumption	≤3.6W	≤4.6W	Less than 8 W with no PoE load	Less than 22W with no PoE load	Less than 13 W with no PoE load	Less than 20W with no PoE load	Less than 20W with no PoE load
			Less than 129 W with PoE full load	Less than 142W with PoE full load	Less than 148 W with PoE full load	Less than 390W with PoE full load	Less than 200W with PoE full load
Port Surge Protection	Common Mode 4KV	Common Mode 4KV	Common Mode 4KV	Common Mode 4KV	Common Mode 6KV	Common Mode 6KV	Common Mode 6KV

Specification	RG-ES105GD	RG-ES108GD	RG-ES110D-P	RG-ES110GDS-P	RG-ES118S-LP	RG-ES126S-P V2	RG-ES126S-LP V2
Power Supply	Common Mode: 2KV	Common Mode: 2KV	Common Mode: 4KV	Common Mode: 6KV	Common Mode: 6KV	Common Mode: 6KV	Common Mode: 6KV
Surge Protection	Differential mode 1KV	Differential mode 1KV	Differential mode 2KV	Differential mode 6KV	Differential mode 6KV	Differential mode 6KV	Differential mode 6KV
Acoustic Noise Level	Noiseless	Noiseless	Noiseless	Noiseless	Noiseless	<40dB (when the device works normally)	<40dB (when the device works normally)
Operating Temperature	0 to 40°C	0 to 40°C	0 to 45°C	0 to 45°C	0 to 45°C	0 to 45°C	0 to 45°C
Storage Temperature	-40°C~75°C	-40°C~75°C	-40~70°C	-40~70°C	-40~70°C	-40~70°C	-40~70°C
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)
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)
Electrostatic Discharge (ESD) Protection	Air Discharge: 8KV Contact Discharge: 6KV	Air Discharge: 8KV Contact Discharge: 6KV	Air Discharge: 8KV Contact Discharge: 6KV	Air Discharge: 8KV Contact Discharge: 6KV	Air Discharge: 8KV Contact Discharge: 6KV	Air Discharge: 8KV Contact Discharge: 6KV	Air Discharge: 8KV Contact Discharge: 6KV
Casing	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Mounting	Desk-type	Desk-type	Wall-mount and Desk-type	Wall-mount and Desk-type	Rack installation	Rack installation	Rack installation
LEDs	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 PoE+ Interface: SUPPLY/Over Load(Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green) Per SFP Interface: LINK/ACT(Green) Per PoE+ Interface: SUPPLY/Over Load (Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Yellow) Per SFP Interface: LINK/ACT(Green) Per PoE+ Interface: SUPPLY/Over Load (Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Yellow) Per SFP Interface: LINK/ACT(Green) Per PoE+ Interface: SUPPLY/Over Load (Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Yellow) Per SFP Interface: LINK/ACT(Green) Per PoE+ Interface: SUPPLY/Over Load (Green)

Specification	RG-ES105GD	RG-ES108GD	RG-ES110D-P	RG-ES110GDS-P	RG-ES118S-LP	RG-ES126S-P V2	RG-ES126S-LP V2
Operating Altitude (m)	-500~5000M	-500~5000M	-500~5000M	-500~5000M	-500~5000M	-500~5000M	-500~5000M
Certification	CE	CE	CE	CE	CE	CE	CE
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 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 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)

Specifications

Specification	RG-ES124GD	RG-ES105D	RG-ES106D-P	RG-ES106D-P-V2	RG-ES108D	RG-ES116G	RG-ES118GS-P
Basic							
Total Number of RJ45 Ports	24	5	6	6	8	16	16
Total Number of Optical Ports	N/A	N/A	N/A	N/A	N/A	N/A	2
Number of 1 Gbps Optical Ports (SFP)	N/A	N/A	N/A	N/A	N/A	N/A	2
Number of 10/100BASE-T Ports	N/A	5	6	6	8	N/A	N/A
Number of 10/100/1000BASE-T Ports	24	N/A	N/A	N/A	N/A	16	18
Number of PoE/PoE+ Ports	N/A	N/A	4	4	N/A	N/A	16
Max. PoE Power Budget	N/A	N/A	54W	54W	N/A	N/A	247W
PoE Power Pins	N/A	N/A	1 2+, 3 6-	1 2+, 3 6-	N/A	N/A	1 2+, 3 6-
Extend Mode (Long-Range Transmission)	Yes	N/A	N/A	N/A	N/A	Yes	N/A
Layer	L2	L2	L2	L2	L2	L2	L2
Switching Capacity	48Gbps	1Gbps	1.2Gbps	1.2Gbps	1.6Gbps	32Gbps	36Gbps
Forwarding Rate	35.7Mpps	0.744Mpps	0.89Mpps	0.89Mpps	1.19Mpps	23.8Mpps	26.8Mpps
Buffer Size	4.1Mbits	768Kbits	448Kbits	448Kbits	768Kbits	4.1Mbits	4.1Mbits
Flash Memory	1MB	N/A	2KB (E2PROM)	2KB (E2PROM)	N/A	1MB	1MB
Dimensions (W x D x H)	280*126*44 mm	119x75*24m m	100*100*26 mm	140*67*26 mm	160*75*24m m	280*126*44 mm	440mm*240 mm*44mm
Net Weight	1.01kg	250g	0.21kg	0.25kg	350g	1.01kg	3.08kg

Mean Time Between Failure (MTBF)	>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
Warranty	3	3	3	3	3	3	3
Layer2 features							
PoE Watchdog	No	No	Yes	Yes	No	No	Yes
Hardware Specifications							
DIP Switch	Default mode: All ports can communicate with each other, and Flow Control On	No	Switchover in three modes: 1. Flow Control On 2. Flow Control Off 3. Port Isolation	Switchover in three modes: 1. Flow Control On 2. Flow Control Off 3. Port Isolation	No	Default mode: All ports can communicate with each other, and Flow Control On	Switchover in three modes: 1. Flow Control On 2. Flow Control Off 3. Port Isolation
Cable Hot-Swappable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Supply	Rated voltage range: 100-240V~ Maximum voltage	AC input Rated voltage range: 100V to 240V Maximum	Rated voltage range: 100-240V~ Maximum voltage	Rated voltage range: 100-240V~ Maximum voltage	AC input Rated voltage range: 100V to 240V Maximum	Rated voltage range: 100-240V~ Maximum voltage	Rated voltage range: 100-240V~ Maximum voltage

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 **Redefine your easy network**

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