

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

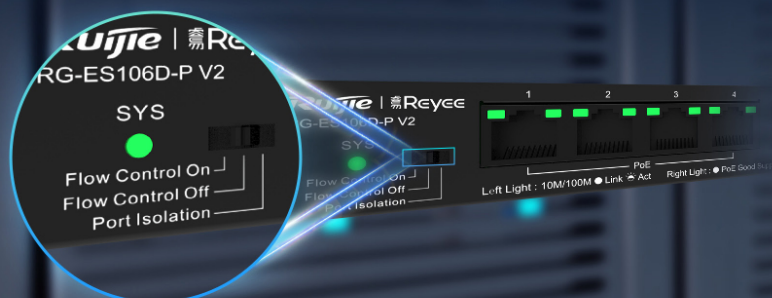
Cloud Visible Even Unmanaged Switch

* 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

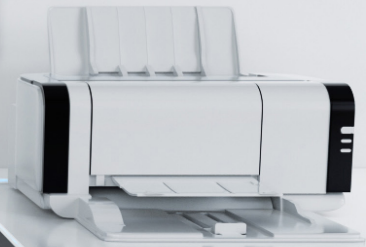
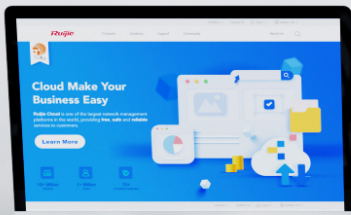
12.95W MAX
Ceiling AP

24W MAX
IP PTZ Camera



High-quality Makes Network Reliable

Stable without frequent reboot



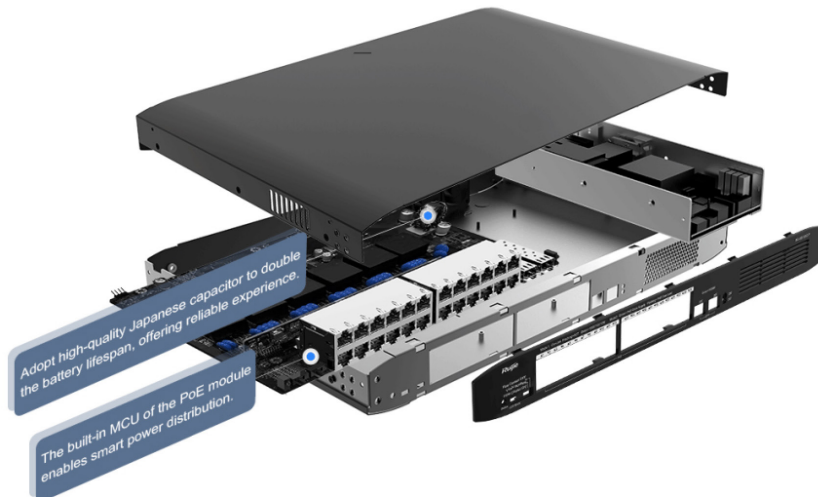
Fanless, Quiet

Green(802.3az)

Energy Saving

Better Quality Design

Strict standards in PCB design and component selection



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: 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	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	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	AC input Rated voltage range: 100V to 240V Maximum voltage range: 90V to 264V Frequency: 50/60 Hz Rated current: 0.3A Adapter output Rated voltage range: 5V DC Rated current range: 1A	AC input Rated voltage range: 100V to 240V Maximum voltage range: 90V to 264V Frequency: 50/60 Hz Rated current: 0.3A Adapter output Rated voltage range: 5V DC Rated current range: 1A	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 3.0A	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 3.0A	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 3.0A	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 6.0A	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 3A
Power Consumption	≤3.6W	≤4.6W	Less than 8 W with no PoE load Less than 129 W with PoE full load	Less than 22W with no PoE load Less than 142W with PoE full load	Less than 13 W with no PoE load Less than 148 W with PoE full load	Less than 20W with no PoE load Less than 390W with PoE full load	Less than 20W with no PoE 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 Surge Protection	Common Mode: 2KV Differential mode 1KV	Common Mode: 2KV Differential mode 1KV	Common Mode: 4KV Differential mode 2KV	Common Mode: 6KV Differential mode 6KV	Common Mode: 6KV Differential mode 6KV	Common Mode: 6KV Differential mode 6KV	Common 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)

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		Switchover in three modes: 1. Flow Control On	Switchover in three modes: 1. Flow Control On		Default mode: All ports can communicate with each other, and Flow Control On	Switchover in three modes: 1. Flow Control On
		No	2. Flow Control Off	2. Flow Control Off	No		2. Flow Control Off
			3. Port Isolation	3. Port Isolation			3. Port Isolation
	When port isolation is eN/Abled, ports 1-22 are isolated from each other, but can communicate with ports 23 and 24.Flow Control On					When port isolation is eN/Abled, ports 1-14 are isolated from each other, but can communicate with ports 15 and 16.Flow Control On	
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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