

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

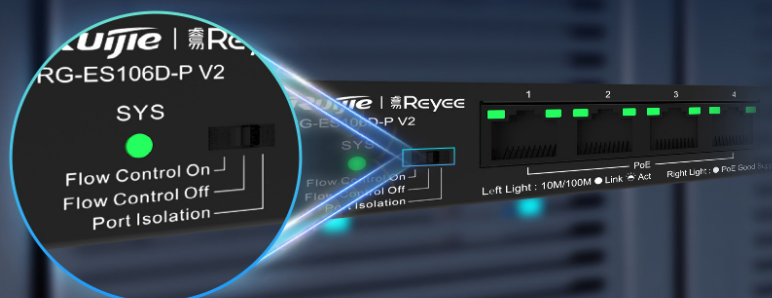
Cloud Visible Even Unmanaged Switch

* 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



High-quality Makes Network Reliable

Stable without frequent reboot



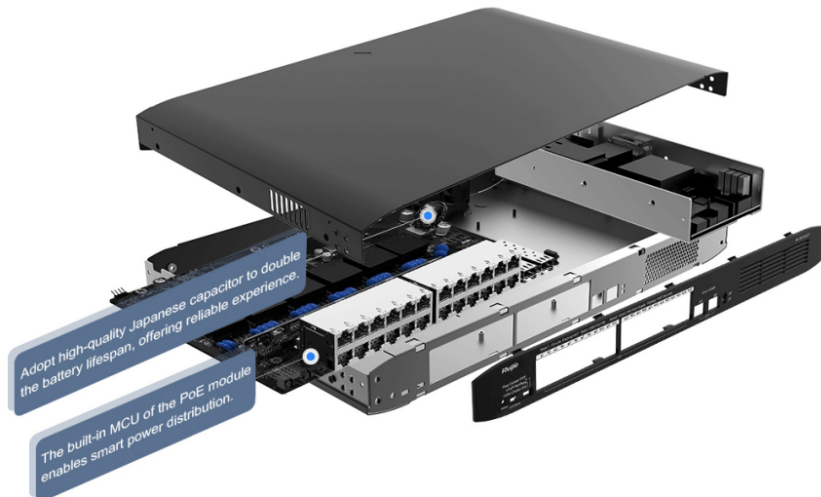
Fanless, Quiet

Green(802.3az)

Energy Saving

Better Quality Design

Strict standards in PCB design and component selection



Highlight Features

Designed for Various Scenarios



Specifications

Specifications	RG-ES105D	RG-ES106D-P-V2	RG-ES108D	RG-ES110D-P	RG-ES110GDS-P	RG-ES118GS-P
Basic						
Total Number of RJ45 Ports	5	6	8	10	9	16
Total Number of Optical Ports	N/A	N/A	N/A	N/A	1	2
Number of 1 Gbps Optical Ports (SFP)	N/A	N/A	N/A	N/A	2	2
Number of 10/100BASE-T Ports	5	6	8	8	N/A	N/A
Number of 10/100/1000BAS E-T Ports	N/A	N/A	N/A	2	8	18
Number of PoE/PoE+ Ports	N/A	4	N/A	8	8	16
Max. PoE Power Budget	N/A	54W	N/A	110W	120W	247W
PoE Power Pins	N/A	1 2+, 3 6-	N/A	1 2+, 3 6-	1 2+, 3 6-	1 2+, 3 6-
Layer	L2	L2	L2	L2	L2	L2
Switching Capacity	1Gbps	1.2Gbps	1.6Gbps	5.6Gbps	20Gbps	36Gbps
Forwarding Rate	0.744Mpps	0.89Mpps	1.19Mpps	4.17Mpps	14.8Mpps	26.8Mpps
Buffer Size	768Kbits	448Kbits	768Kbits	4Mbits	1.5Mbits	4.1Mbits
Flash Memory	N/A	2KB (E2PROM)	N/A	1MB	128KB (E2PROM)	1MB
Dimensions (W x D x H)	119x75*24mm	140*67*26 mm	160*75*24mm	190*100*28mm	280*180*44mm	440mm*240mm*44mm
Net Weight	250g	0.25kg	350g	0.51kg	1.46kg	3.08kg
Mean Time Between Failure (MTBF)	>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
Warranty	3	3	3	3	3	3

Specifications	RG-ES105D	RG-ES106D-P-V2	RG-ES108D	RG-ES110D-P	RG-ES110GDS-P	RG-ES118GS-P
Layer2 features						
PoE Watchdog	No	Yes	No	Yes	Yes	Yes
Hardware Specifications						
DIP Switch	No	Switchover in three modes: 1. Flow Control On 2. Flow Control Off 3. Port Isolation	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
Cable Hot-Swappable	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: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 1.5A	AC input Rated voltage range: 100-240V~ 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: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 3.0A	AC input Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 3.0A	AC input Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 3.5A
Power Consumption	≤2.4W	Less than 6.6 W with no PoE load Less than 60.6 W with PoE full load	≤2.8W	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 50W with no PoE load Less than 297W with PoE full load
Port Surge Protection	Common Mode 4KV	Common Mode 4KV	Common Mode 4KV	Common Mode 4KV	Common Mode 4KV	Common Mode 6KV
Power Supply Surge Protection	Common Mode: 2KV Differential mode 1KV	Common Mode: 4KV Differential mode 2KV	Common Mode: 2KV Differential mode 1KV	Common Mode: 4KV Differential mode 2KV	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)

Specifications	RG-ES105D	RG-ES106D-P-V2	RG-ES108D	RG-ES110D-P	RG-ES110GDS-P	RG-ES118GS-P
Package Contents						
Mounting Brackets	N/A	N/A	N/A	N/A	2	2
Screws	N/A	N/A	N/A	N/A	M3 Screw*8	M3 Screw*8
User Manual	1	1	1	1	1	1
Rubber Feet	N/A	N/A	N/A	N/A	N/A	4
Power Supply Options	Power adapter	Power adapter	Power adapter	Power adapter	Single fixed power supply	Single fixed power supply
Warranty Card	1	1	1	1	1	1
Gross Weight	0.4KG(packages included)	0.82KG(packages included)	0.51KG(packages included)	1.34KG(packages included)	2.30KG(packages included)	4.2KG(packages included)
Package Dimensions (W x D x H)	175mm*162mm*62mm	220*145*70mm	195mm*175mm*62mm	312*230*59mm	438*245*77mm	570*298*76mm

Specifications

Specifications	RG-ES118S-LP	RG-ES126S-P V2	RG-ES126S-LP V2	RG-ES116G	RG-ES124GD
Basic					
Total Number of RJ45 Ports	18	26	26	16	24
Total Number of Optical Ports	2	1	1	N/A	N/A
Number of Combo Ports	2	1	1	N/A	N/A
Number of 1 Gbps Optical Ports (SFP)	2	1	1	N/A	N/A
Number of 10/100BASE-T Ports	16	24	24	N/A	N/A
Number of 10/100/1000BASE-T Ports	2	2	2	16	24
Number of PoE/PoE+ Ports	16	24	24	N/A	N/A
Max. PoE Power Budget	120W	370W	180W	N/A	N/A
PoE Power Pins	1 2+, 3 6-	1 2+, 3 6-	1 2+, 3 6-	N/A	N/A
Extend Mode (Long-Range Transmission)	N/A	N/A	N/A	Yes	Yes
Layer	L2	L2	L2	L2	L2
Switching Capacity	7.2Gbps	8.8Gbps	8.8Gbps	32Gbps	48Gbps
Forwarding Rate	5.35Mpps	6.55Mpps	6.55Mpps	23.8Mpps	35.7Mpps
Buffer Size	4Mbits	4Mbits	4Mbits	4.1Mbits	4.1Mbits
Flash Memory	1MB	1MB	1MB	1MB	1MB
Dimensions (W x D x H)	440*208*44mm	440*208*44mm	440*208*44mm	280*126*44mm	280*126*44mm
Net Weight	2.32kg	2.85kg	2.5kg	1.01kg	1.01kg
Mean Time Between Failure (MTBF)	>200K	>200K	>200K	>200K	>200K
Safety Compliance	EN 62638-1	EN 62638-1	EN 62638-1	EN 62638-1	EN 62638-1
Warranty	3	3	3	3	3

Specifications	RG-ES118S-LP	RG-ES126S-P V2	RG-ES126S-LP V2	RG-ES116G	RG-ES124GD
Layer2 features					
PoE Watchdog	Yes	Yes	Yes	No	No
Hardware Specifications					
DIP Switch	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	Default mode: All ports can communicate with each other, and Flow Control On Flow Control Off Isolation mode: 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	Default mode: All ports can communicate with each other, and Flow Control On Flow Control Off Isolation mode: 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
Cable Hot-Swappable	Yes	Yes	Yes	Yes	Yes
Power Supply	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	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 0.6A	Rated voltage range: 100-240V~ Maximum voltage range: 90-264V~ Frequency: 50/60Hz Rated current: 0.6A
Power Consumption	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	≤11W	≤16W
Port Surge Protection	Common Mode 6KV	Common Mode 6KV	Common Mode 6KV	Common Mode 6KV	Common Mode 6KV
Power Supply Surge Protection	Common Mode: 6KV Differential mode 6KV	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	<40dB (when the device works normally)	<40dB (when the device works normally)	Noiseless	Noiseless
Operating Temperature	0 to 45°C	0 to 45°C	0 to 45°C	0 to 45°C	0 to 45°C
Storage Temperature	-40~70°C	-40~70°C	-40~70°C	-40~70°C	-40~70°C

Specifications	RG-ES118S-LP	RG-ES126S-P V2	RG-ES126S-LP V2	RG-ES116G	RG-ES124GD
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)
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)
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
Casing	Metal	Metal	Metal	Metal	Metal
Mounting	Rack installation	Rack installation	Rack installation	Rack installation	Rack installation
LEDs	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)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green)	System: SYS(Green) Per RJ45 Ports: LINK/ACT(Green)
Operating Altitude (m)	-500~5000M	-500~5000M	-500~5000M	-500~5000M	-500~5000M
Certification	CE	CE	CE	CE	CE
EMC	EN 55032:2015+AC:2016 6 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC:2016 6 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC:2016 6 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC:2016 6 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)	EN 55032:2015+AC:2016 6 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55035:2017 ETSI EN 300 386 V2.1.1 (2016-07)
Package Contents					
Mounting Brackets	2	2	2	2	2
Screws	M3 Screw*8	M3 Screw*8	M3 Screw*8	M3 Screw*8	M3 Screw*8
User Manual	1	1	1	1	1
Rubber Feet	N/A	N/A	N/A	4	4
Power Supply Options	Single fixed power supply	Single fixed power supply	Single fixed power supply	Single fixed power supply	Single fixed power supply
Warranty Card	1	1	1	1	1
Gross Weight	3.50KG(packages included)	3.88KG(packages included)	3.6KG(packages included)	1.70KG(packages included)	1.86KG(packages included)

Specifications	RG-ES118S-LP	RG-ES126S-P V2	RG-ES126S-LP V2	RG-ES116G	RG-ES124GD
Package Dimensions (W x D x H)	555*295*88mm	555*295*88mm	555*295*88mm	340*258*66mm	340*258*66mm

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 **Redefine your easy network**

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