

# RG-ES100 Series Unmanaged Switch

## DATASHEET



## 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 | Reyee  
RG-ES106D-P V2  
SYS  
Flow Control On  
Flow Control Off  
Port Isolation

PoE

Left Light : 10M/100M Link Act

Right Light : PoE Good Supply PoE Over Load

uplink

### High-quality Makes Network Reliable

Stable without frequent reboot

Ruijie | Reyee RG-ES116D-P Link/Act PoE 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



# Specifications

## Basic

Specification	RG-ES105D	RG-ES108D	RG-ES106D-P V2	RG-ES110D-P	RG-ES118S-LP
Downlink Ports	5 x 10/100BASE-TX	8 x 10/100BASE-TX	4 x 10/100BASE-TX	8 x 10/100BASE-TX	16 x 10/100BASE-TX
Uplink Ports	-	-	2 x 10/100BASE-TX	2 x 10/100/1000BASE-T	2 x 10/100/1000BASE-T with 1 Combo port
PoE/PoE+ ports	-	-	4	8	16
Max. PoE budget	-	-	54W	110W	120W
Layer Type	Unmanaged	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Switching capacity	1 Gbps	1.6 Gbps	1.2 Gbps	5.6 Gbps	7.2 Gbps
Forwarding rate	744 Kpps	1.19 Mpps	0.89 Mpps	4.17 Mpps	5.36 Mpps
MAC address table	1000	2000	2000	2000	8000
Dimensions (W x D x H)	119 mm x 75 mm x 24 mm	160 mm x 75 mm x 24 mm	140 mm x 67 mm x 26 mm	190 mm x 100 mm x 28 mm	440 mm x 208 mm x 44 mm
Weight (With package)	0.25 kg	0.35 kg	0.66 kg	1.3 kg	3.4 kg
Warranty	3 Years	3 Years	3 Years	3 Years	3 Years

## Software Features

Auto/Full/Half Duplex Negotiation			✓	✓	✓
Auto MDI/MDIX	✓	✓	✓	✓	✓
Switching model	Store-and-forward	Store-and-forward	Store-and-forward	Store-and-forward	Store-and-forward
Cloud Management	Cloud monitoring	Cloud monitoring	Cloud monitoring	Cloud monitoring	Cloud monitoring

## Hardware Features

Reset Button	-	-	-	-	-
Flow Control	-	-	✓	✓	✓
Port Isolation	-	-	✓	✓	✓
Power Consumption	≤5W	≤5W	<60.6W	<129W	<148W
Power Supplies	5V power adapter, 1A	5V power adapter, 1A	54V 1.11A	53V DC Power adapter, 2.24A	100V AC to 240V AC, 2.5A

# Specifications

## Hardware Features

Specification	RG-ES105D	RG-ES108D	RG-ES106D-P V2	RG-ES110D-P	RG-ES118S-LP
Surge Protection	4kV	4kV	4kV	6kV	6kV
Fan	Fanless	Fanless	Fanless	Fanless	Fanless
Operating Temperature	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)	0°C to 45°C (32°F to 109°F)	0°C to 45°C (32°F to 109°F)	0°C to 45°C (32°F to 109°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% RH to 90% RH	10% RH to 90% RH	10% RH to 90% RH	10% RH to 90% RH	10% to 90% RH
Storage Humidity	5% RH to 95% RH	5% RH to 95% RH	5% RH to 95% RH	5% RH to 95% RH	5% to 95% RH
MTBF	> 200,000	> 200,000	> 200,000	> 200,000	> 200,000
Certificate	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS

## Basic

Specification	RG-ES126S-LP V2	RG-ES126S-P V2	RG-ES105GD	RG-ES108GD
Downlink Ports	24 x 10/100BASE-TX	24 x 10/100BASE-TX	5 x 10/100/1000BASE-T	8 x 10/100/1000BASE-T
Uplink Ports	2 x 10/100/1000BASE-T with 1 Combo port	2 x 10/100/1000BASE-T with 1 Combo port	-	-
PoE/PoE+ ports	24	24	-	-
Max. PoE budget	180W	370W	-	-
Layer Type	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Switching capacity	8.8 Gbps	8.8 Gbps	10 Gbps	16 Gbps
Forwarding rate	6.55 Mpps	6.55 Mpps	7.44 Mpps	11.9 Mpps
MAC address table	16000	16000	2000	4000
Dimensions (W x D x H)	440 mm x 208 mm x 44 mm	440 mm x 208 mm x 44 mm	119 mm x 75 mm x 24 mm	160 mm x 75 mm x 24 mm
Weight (With package)	3 kg	3 kg	0.25 kg	0.35 kg

# Specifications

## Basic

Specification	RG-ES126S-LP V2	RG-ES126S-P V2	RG-ES105GD	RG-ES108GD
Warranty	3 Years	3 Years	3 Years	3 Years

## Software Features

Auto/Full/Half Duplex Negotiation	✓	✓	✓	✓
Auto MDI/MDIX	✓	✓	✓	✓
Switching model	Store-and-forward	Store-and-forward	Store-and-forward	Store-and-forward
Cloud Management	Cloud monitoring	Cloud monitoring	Cloud monitoring	Cloud monitoring

## Hardware Features

Reset Button	-	-	-	-
Flow Control	✓	✓	-	-
Port Isolation	✓	✓	-	-
Power Consumption	<220W	<432W	≤5W	≤5W
Power Supplies	100V AC to 240V AC, 4A	100V AC to 240V AC, 4A	5V power adapter, 1A	5V power adapter, 1A
Surge Protection	6kV	6kV	6kV	6kV
Fan	Support	Support	Fanless	Fanless
Operating Temperature	0°C to 45°C (32°F to 109°F)	0°C to 45°C (32°F to 109°F)	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% to 90% RH	10% to 90% RH	10% to 90% RH	10% to 90% RH
Storage Humidity	5% to 95% RH	5% to 95% RH	5% to 95% RH	5% to 95% RH
MTBF	> 200,000	> 200,000	> 200,000	> 200,000
Certificate	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS

# Specifications

## Basic

Specification	RG-ES110GDS-P	RG-ES116G	RG-ES118GS-P	RG-ES124GD
Downlink Ports	8 x 10/100/1000BASE-T	16 x 10/100/1000BASE-T	16 x 10/100/1000BASE-T	24 x 10/100/1000BASE-T
Uplink Ports	2 x 1000BASE-X SFP	-	2 x 1000BASE-X SFP	-
PoE/PoE+ ports	8	-	16	-
Max. PoE budget	120W	-	247W	-
Layer Type	Unmanaged	Unmanaged	Unmanaged	Unmanaged
Switching capacity	20 Gbps	32 Gbps	36 Gbps	48 Gbps
Forwarding rate	14.88 Mpps	23.81 Mpps	26.78 Mpps	35.71 Mpps
MAC address table	4000	8000	8000	8000
Dimensions (W x D x H)	280 mm x 180 mm x 44 mm	280 mm x 126 mm x 44 mm	440 mm x 240 mm x 44 mm	280 mm x 126 mm x 44 mm
Weight (With package)	2.26 kg	1.75 kg	4.0 kg	1.76 kg
Warranty	3 Years	3 Years	3 Years	3 Years

## Software Features

Auto/Full/Half Duplex Negotiation	✓	✓	✓	✓
Auto MDI/MDIX	✓	✓	✓	✓
Switching model	Store-and-forward	Store-and-forward	Store-and-forward	Store-and-forward
Cloud Management	Cloud monitoring	Cloud monitoring	Cloud monitoring	Cloud monitoring

## Hardware Features

Reset Button	-	-	-	-
Flow Control	✓	✓	✓	✓
Port Isolation	✓	✓	✓	✓
Power Consumption	≤130W	≤11W	≤285W	≤16W
Power Supplies	100V AC to 240V AC, 2.5A	100V AC to 240V AC, 0.5A	100V AC to 240V AC, 3.5A	100V AC to 240V AC, 0.5A



## Specifications

### Hardware Features

Specification	RG-ES110GDS-P	RG-ES116G	RG-ES118GS-P	RG-ES124GD
Surge Protection	6kV	6kV	6kV	6kV
Fan	Fanless	Fanless	Support	Fanless
Operating Temperature	0°C to 45°C (32°F to 109°F)	0°C to 45°C (32°F to 109°F)	0°C to 45°C (32°F to 109°F)	0°C to 45°C (32°F to 109°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10% to 90% RH	10% to 90% RH	10% to 90% RH	10% to 90% RH
Storage Humidity	5% to 95% RH	5% to 95% RH	5% to 95% RH	5% to 95% RH
MTBF	> 200,000	> 200,000	> 200,000	> 200,000
Certificate	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS

## Package Contents

Device	RG-ES105D	RG-ES108D	RG-ES106D-P V2	RG-ES110D-P	RG-ES118S-LP
Mounting bracket	2	2	-	2	-
Foot pad	4	4	-	4	-
Screw	-	-	-	-	-
Screw(M4X8)	8	8	-	-	-
Screw(M3X6)	-	-	-	8	8
Screw(3*25mm)	-	-	2	-	-
Expansion Anchor	-	-	2	-	-
Power cord	1	1	1	1	1
Quick Start Guide	1	1	1	1	1
Warranty card	1	1	1	1	1
Dimensions (W x D x H)	119 mm x 75 mm x 24 mm	160 mm x 75 mm x 24 mm	140 mm x 67 mm x 26 mm	190 mm x 100 mm x 28 mm	440 mm x 208 mm x 44 mm
Weight	0.3kg	0.43kg	0.82kg	1.30kg	3.40kg

## Package Contents

Device	RG-ES126S-LP V2	RG-ES126S-P V2	RG-ES105GD	RG-ES108GD
Mounting bracket	2	2	2	2
Foot pad	4	4	4	4
Screw	-	-	-	-
Screw(M4X8)	-	-	8	8
Screw(M3X6)	8	8	-	-
Screw(3*25mm)	-	-	-	-
Expansion Anchor	-	-	-	-
Power cord	1	1	1	1
Quick Start Guide	1	1	1	1
Warranty card	1	1	1	1
Dimensions (W x D x H)	440 mm x 208 mm x 44 mm	440 mm x 208 mm x 44 mm	119 mm x 75 mm x 24 mm	160 mm x 75 mm x 24 mm
Weight	3.05kg	3.05kg	0.3kg	0.43kg

Device	RG-ES110GDS-P	RG-ES116G	RG-ES118GS-P	RG-ES124GD
Mounting bracket	2	2	2	2
Foot pad	4	4	4	4
Screw	8	8	8	8
Screw(M4X8)	-	-	-	-
Screw(M3X6)	-	-	-	-
Screw(3*25mm)	-	-	-	-
Expansion Anchor	-	-	-	-
Power cord	1	1	1	1
Quick Start Guide	1	1	1	1
Warranty card	1	1	1	1
Dimensions (W x D x H)	280 mm x 180 mm x 44 mm	280 mm x 126 mm x 44 mm	440 mm x 240 mm x 44 mm	280 mm x 126 mm x 44 mm
Weight	2.26kg	1.75kg	4.0kg	1.76kg

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