

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

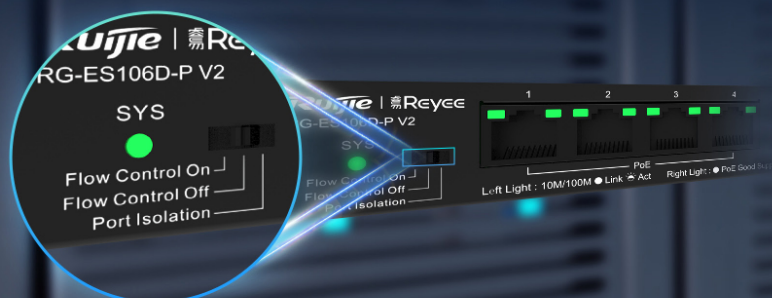
Cloud Visible Even Unmanaged Switch

* 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

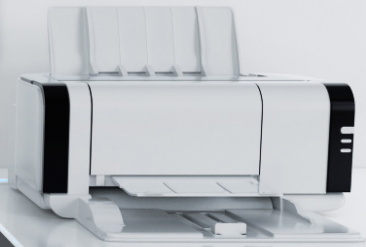
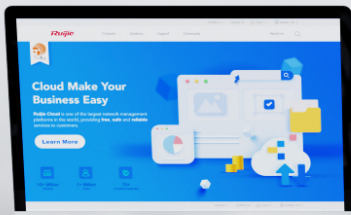
12.95W MAX
Ceiling AP

24W MAX
IP PTZ Camera





High-quality Makes Network Reliable

Stable without frequent reboot



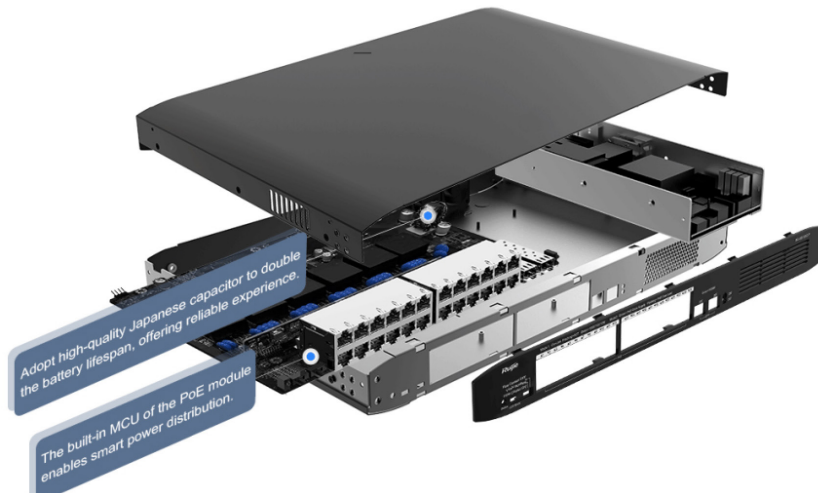
 Fanless, Quiet

 Green(802.3az)

 Energy Saving

Better Quality Design

Strict standards in PCB design and component selection



Highlight Features

Designed for Various Scenarios



Specifications

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 |

Ruijie | Rcycc

Redefine your easy network

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