# CloudEngine S5731-S-G Series Switch

| Product Appearance | Description |
|---|---|
| CloudEngine S5731-S24T4X-G | · 24*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Support for 1+1 power backup<br>· Packet Forwarding Rate: 280Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps |
| CloudEngine S5731-S24T4X-A-G | · 24*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Built-in AC power supply<br>· Packet Forwarding Rate: 280Mpps<br>· Exchange Capacity: 1.36Tbps/13.6Tbps |
| CloudEngine S5731-S24T4X-D-G | · 24*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Built-in DC power supply<br>· Packet Forwarding Rate: 280Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps |
| CloudEngine S5731-S24P4X-G | · 24*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Support for 1+1 power backup<br>· PoE+<br>· Packet Forwarding Rate: 280Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps |
| CloudEngine S5731-S48S4X-A-G | · 44*1/2.5GE optical ports, 4*Gigabit SFP, 4*10-gigabit SFP+<br>· Built-in AC power supply<br>· Packet Forwarding Rate: 560Mpps<br>· Exchange Capacity: 1.36Tbps/13.6Tbps<br>· Note 2.5GE is supported for ports GE5 to 48 |
| CloudEngine S5731-S32ST4X-G | · 24*1/2.5GE optical ports, 8*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Support for 1+1 power backup<br>· Packet Forwarding Rate: 420Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps<br>· Note Ports GE9 to 32 support 2.5GE |
| CloudEngine S5731-S32ST4X-A-G | · 24*1/2.5GE optical ports, 8*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Built-in AC power supply<br>· Packet Forwarding Rate: 420Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps<br>· Note Ports GE9 to 32 support 2.5GE |
| CloudEngine S5731-S32ST4X-D-G | · 24*1/2.5GE optical ports, 8*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Built-in DC power supply<br>· Packet Forwarding Rate: 420Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps<br>· Note Ports GE9 to 32 support 2.5GE |

| | |
|---|---|
| CloudEngine S5731-S48T4X-G | · 48*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Support for 1+1 power backup<br>· Packet Forwarding Rate: 560Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps |
| CloudEngine S5731-S48T4X-A-G | · 48*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Built-in AC power supply<br>· Packet Forwarding Rate: 560Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps |
| CloudEngine S5731-S48P4X-G | · 48*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+<br>· Support for 1+1 power backup<br>· PoE+<br>· Packet Forwarding Rate: 560Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps |
| CloudEngine S5731-S48S4X-G | · 44*1/2.5GE optical ports, 4*Gigabit SFP, 4*10-gigabit SFP+<br>· Support 1+1 power backup<br>· Packet Forwarding Rate: 560Mpps<br>· Switching Capacity: 1.36Tbps/13.6Tbps<br>· Note 2.5GE is supported for ports GE5 to 48 |

## ■ Product Overview

The CloudEngine S5731-S-G series switches are a new generation of*Gigabit access switches, based on the company's unified VRP (Versatile Routing Platform) software platform, with enhanced three-layer characteristics, simple operation and maintenance, intelligent iStack stack, Flexible Ethernet networking, mature IPv6 features, etc., are widely used in enterprise campus access and aggregation, data center access and other application scenarios.

## ■ ▪ Technical Specification

| Items | CloudEngine S5731- S24T4X-G | CloudEngine S5731-S24P4X-G | CloudEngine S5731-S48T4X-G | CloudEngine S5731-S48P4X-G |
|---|---|---|---|---|
| Fixed Port | 24*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+ | 24*10/100/1000Base-T Ethernet ports (PoE+), 4*10-gigabit SFP+ | 48*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+ | 48*10/100/1000Base-T Ethernet ports (PoE+), 4*10-gigabit SFP+ |
| Chassis Dimensions (W × D × H, in mm) | 442mm × 420mm × 43.6mm | 442mm × 420mm × 43.6mm | 442mm × 420mm × 43.6mm | 442mm × 420mm × 43.6mm |
| Chassis Height | 1U | 1U | 1U | 1U |
| Full Weight (with packing material) | 8.4kg | 8.6kg | 8.55kg | 8.8kg |
| Power Supply Type | 150W AC power supply<br>600W POE AC power supply<br>180W DC power supply<br>1000W DC power supply | 600W PoE AC power supply<br>1000W PoE AC power supply<br>1000W PoE DC power supply | 150W AC power supply<br>600W AC power supply<br>180W DC power supply<br>1000W DC power supply | 600W PoE AC power supply<br>1000W PoE AC power supply<br>1000W PoE DC power supply |
| Maximum Power Consumption | 114W | Without PoE: 121W<br>With PoE: 977W<br>(PoE: 720W) | 124W | Without PoE: 132W<br>With PoE: 1750W<br>(PoE: 1440W) |
| Operating Temperature | -5℃ to 45℃ | -5℃ to 45℃ | -5℃ to 45℃ | -5℃ to 45℃ |
| Service Port Lightning Protection | Common mode ±6kV | Common mode ±6kV | Common mode ±6kV | Common mode ±6kV |
| Power Port Lightning Protection | AC power port: differential mode±6kV, common mode ±6kV | | | |
| | DC power port: differential mode ±2kV, common mode ±4kV | | | |
| Heat Dissipation Method | Air cooling heat dissipation, intelligent speed regulation, built-in 2 fans | Air cooling heat dissipation, intelligent speed regulation, fan pluggable | Air-cooled heat dissipation, intelligent speed regulation, built-in 2 fans | Air cooling heat dissipation, intelligent speed regulation, fan pluggable |

| Items | CloudEngine S5731-S32ST4X-G | CloudEngine S5731-S32ST4X-A/D-G | CloudEngine S5731-S48S4X-G | CloudEngine S5731-S48S4X-A-G |
|---|---|---|---|---|
| Fixed Port | 24*1/2.5GE optical ports, 8*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+ | 24*1/2.5GE optical ports, 8*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+ | 44*1/2.5GE optical ports, 4*Gigabit SFP, 4*10-gigabit SFP+ | 44*1/2.5GE optical ports, 4*Gigabit SFP, 4*10-gigabit SFP+ |
| Chassis Dimensions (W × D × H) | 442mm × 420mm × 43.6mm | 442mm × 220mm × 43.6mm | 442mm × 420mm × 43.6mm | 442mm × 220mm × 43.6mm |
| Chassis Height | 1U | 1U | 1U | 1U |
| Full Weight (with packing material) | 7.35kg | 4.02/3.87kg | 7.51kg | 4.69kg |
| Chassis Height | 150W AC power supply 600W AC power supply 180W DC power supply 1000W DC power supply | Built-in AC or DC power supply | 150W AC power supply 600W AC power supply 180W DC power supply 1000W DC power supply | Built-in AC power supply |
| Maximum Power Consumption | 120 W | 94 W | 142 W | 121 W |
| Operating Temperature | -5℃ to 45℃ | -5℃ to 45℃ | -5℃ to 45℃ | -5℃ to 45℃ |
| Storage Temperature | -40℃ to 70℃ | -40℃ to 70℃ | -40℃ to 70℃ | -40℃ to 70℃ |
| Relative Humidity | 5% to 95%RH (no condensation) | 5% to 95%RH (no condensation) | 5% to 95%RH (no condensation) | 5% to 95%RH (no condensation) |
| Service Port Lightning Protection | ±7kV | ±7kV | NA | NA |
| Power Port Lightning Protection | AC power port: differential mode ±6kV, common mode ±6kV | AC power port: differential mode ±6kV, common mode ±6kV | AC power port: differential mode ±6kV, common mode ±6kV | Differential mode ±6kV, common mode ±6kV |
| | DC power port: differential mode ±2kV, common mode ±4kV | DC power port: differential mode ±2kV, common mode ±4kV | DC power port: differential mode ±2kV, common mode ±4kV | |
| Heat Dissipation Method | Air cooling heat dissipation, intelligent speed regulation | Air cooling heat dissipation, intelligent speed regulation | Air cooling heat dissipation, intelligent speed regulation | Air cooling heat dissipation, intelligent speed regulation |

| Items | CloudEngine S5731- S24T4X-A-G | CloudEngine S5731- S24T4X-D-G | CloudEngine S5731- S48T4X-A-G |
|---|---|---|---|
| Fixed Port | 24*10/100/1000Base-T Ethernet ports, 4* 10-gigabit SFP+ | 24*10/100/1000Base-T Ethernet ports (PoE+), 4*10-gigabit SFP+ | 48*10/100/1000Base-T Ethernet ports, 4*10-gigabit SFP+ |
| Chassis Dimensions (W × D × H) | 442mm × 220mm × 43.6mm | 442mm × 220mm × 43.6mm | 442mm × 220mm × 43.6mm |
| Chassis Height | 1U | 1U | 1U |
| Full Weight (including packing material) | 4.40kg | 4.62kg | 4.57kg |
| Power Supply Type | Built-in AC power supply | Built-in DC power supply | Built-in AC power supply |
| Maximum Power Consumption | 80W | 76W | 102W |
| Operating Temperature | -5℃ to 45℃ | -5℃ to 45℃ | -5℃ to 45℃ |
| Storage Temperature | -40℃ to 70℃ | -40℃ to 70℃ | -40℃ to 70℃ |
| Relative Humidity | 5% to 95%RH (no condensation) | 5% to 95%RH (no condensation) | 5% to 95%RH (no condensation) |
| Service Port Lightning Protection | Common mode ±7kV | Common mode ±7kV | Common mode ±7kV |
| Power Port Lightning Protection | Differential mode ±6kV, common mode ±6kV | Difference mode ±2kV, common mode ±4kV | Difference mode ±6kV, common mode ±6kV |
| Heat Dissipation Mode | Air cooling heat dissipation, intelligent speed regulation, fan pluggable | Air cooling heat dissipation, intelligent speed regulation, fan pluggable | Air cooling heat dissipation, intelligent speed regulation, fan pluggable |

## Full Range of S5736-S-G Models

| Model | CloudEngine S5736-S-G series all-optical switches |
|---|---|
| S5736-S48S4X-A-G | S5736-S48S4X-A-G Standard (48*Gigabit SFP, optional RTU upgrade to 10G,4*10GE SFP+, AC power, front maintenance) |
| S5736-S48S4X-D-G | S5736-S48S4X-D-G Standard (48*Gigabit SFP, optional RTU upgrade to 10G,4*10GE SFP+, DC power, front maintenance) |
| S5736-S24S4XC-G | S5736-S24S4XC-G(24*Gigabit SFP,4*10-gigabit SFP+, single card slot, without power) |
| S5736-S48S4XC-G | S5736-S48S4XC-G(48*Gigabit SFP,4*10-Gigabit SFP+, single card slot, without power supply) |

| Model | CloudEngine S5736-S-G series switch |
|---|---|
| S5736-S24T4XC-G | S5736-S24T4XC-G(24*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, single card slot, no power supply) |
| S5736-S24U4XC-G | S5736-S24U4XC-G(24*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, single card slot,PoE++, without power) |
| S5736-S48T4XC-G | S5736-S48T4XC-G(48*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, single card slot, no power supply) |
| S5736-S48U4XC-G | S5736-S48U4XC-G(48*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, single card slot,PoE++, without power) |

# Full Range of S5731-S-G Models

| Model | CloudEngine S5731-S-G Series Multi-rate Switches |
|---|---|
| S5731-S24N4X2Q-A-G | S5731-S24N4X2Q-A-G(24*100M/1/2.5G Ethernet ports,4*10G SFP+,2*40G QSFP, AC power, front maintenance) |
| S5731-S24UN4X2Q-G | S5731-S24UN4X2Q-G(24*100M/1/2.5G Ethernet ports,4*10G SFP+,2*40G QSFP,PoE++, without power) |
| S5731-S8UM16UN2Q-G | S5731-S8UM16UN2Q-G(8*100M/1/2.5/5/10G,16*100M/1/2.5G Ethernet ports,2*40G QSFP or 12*100M/1/2.5/5/10G,12*100M/1/2.5G Ethernet ports,4*10G SFP+,PoE++, power not included) |

| Model | CloudEngine S5731-S-G Standard Gigabit Switch |
|---|---|
| S5731-S24T4X-G | S5731-S24T4X-G(24*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, power not included) |
| S5731-S24P4X-G | S5731-S24P4X-G(24*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+,PoE+, no power) |
| S5731-S48T4X-G | S5731-S48T4X-G(48*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, without power supply) |
| S5731-S48P4X-G | S5731-S48P4X-G(48*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+,PoE+, no power) |
| S5731-S24T4X-A-G | S5731-S24T4X-A-G(24*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, AC powered) |
| S5731-S24T4X-D-G | S5731-S24T4X-D-G(24*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, DC power) |
| S5731-S48T4X-A-G | S5731-S48T4X-A-G(48*10/100/1000BASE-T Ethernet ports,4*10-gigabit SFP+, AC powered) |
| S5731-S32ST4X-G | S5731-S32ST4X-G(8*10/100/1000BASE-T Ethernet ports,24*Gigabit SFP,4*10-gigabit SFP+, no power) |
| S5731-S32ST4X-A-G | S5731-S32ST4X-A-G(8*10/100/1000BASE-T Ethernet ports,24*Gigabit SFP,4*10-gigabit SFP+, AC power, front maintenance) |
| S5731-S32ST4X-D-G | S5731-S32ST4X-D-G(8*10/100/1000BASE-T Ethernet ports,24*Gigabit SFP,4*10-gigabit SFP+, DC power, front maintenance) |
| S5731-S48S4X-G | S5731-S48S4X-G(48*Gigabit SFP,4*10-gigabit SFP+, without power) |
| S5731-S48S4X-A-G | S5731-S48S4X-A-G(48*Gigabit SFP,4*10-Gigabit SFP+, AC power, front maintenance) |

# 光语

## GLORY

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