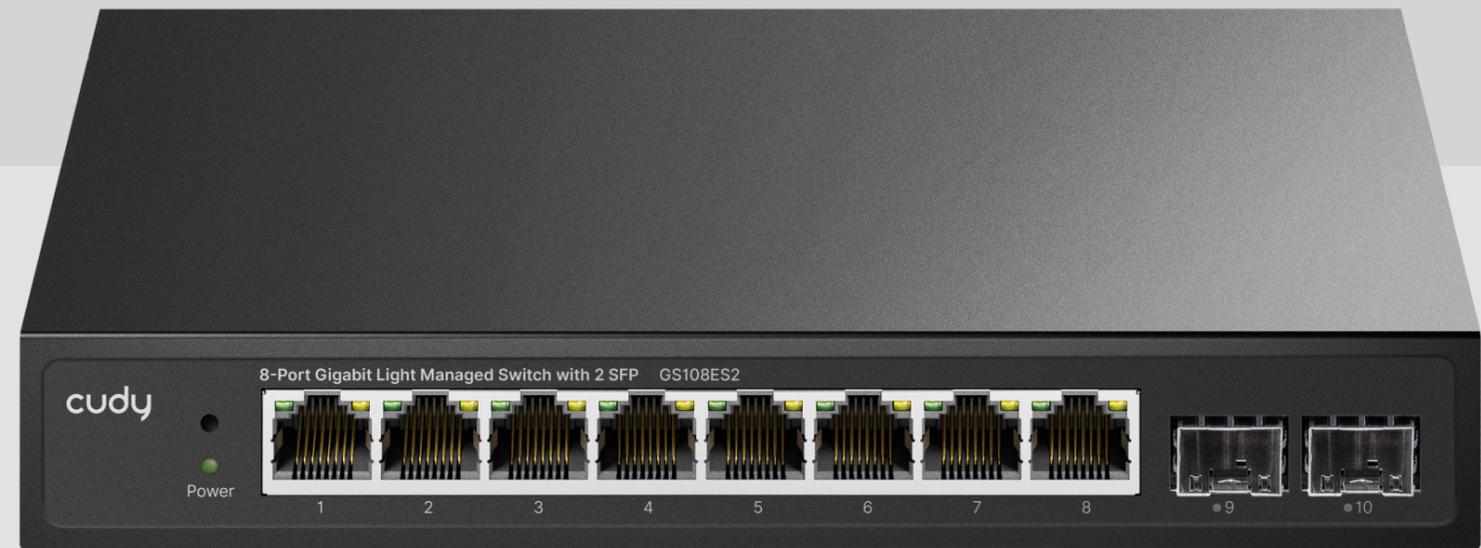




Model: GS108ES2

8-Port Gigabit Light-Managed Switch with 2 SFP



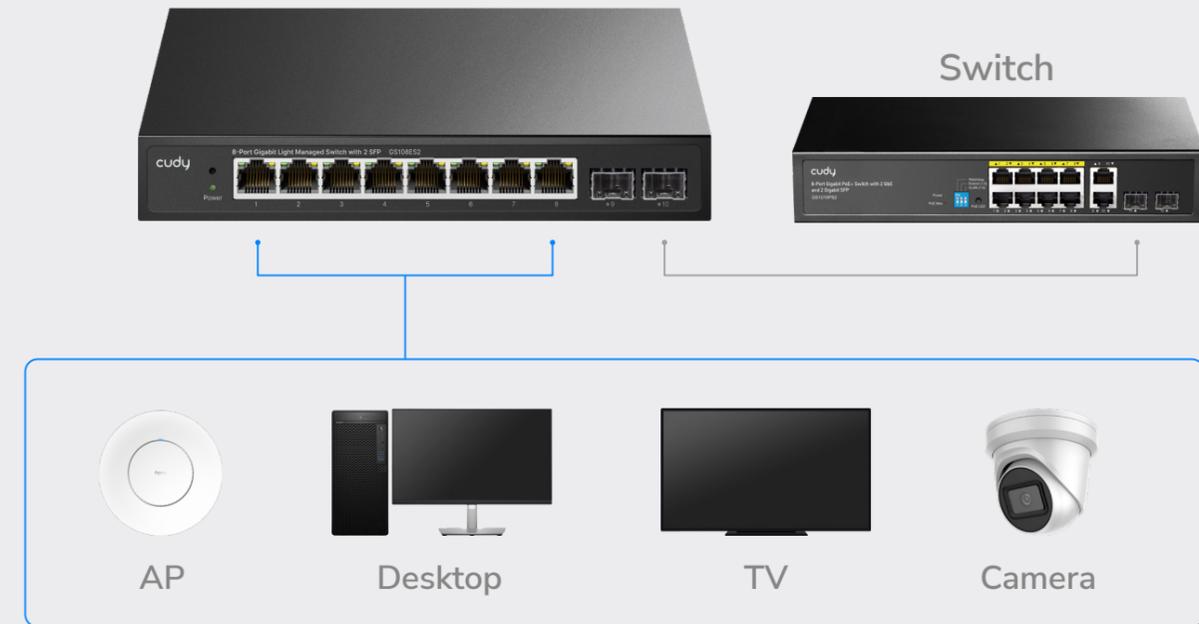
[Web Management](#)

VLAN | QoS | Port Trunk

[Datasheet](#)

Cudy Ethernet Switch

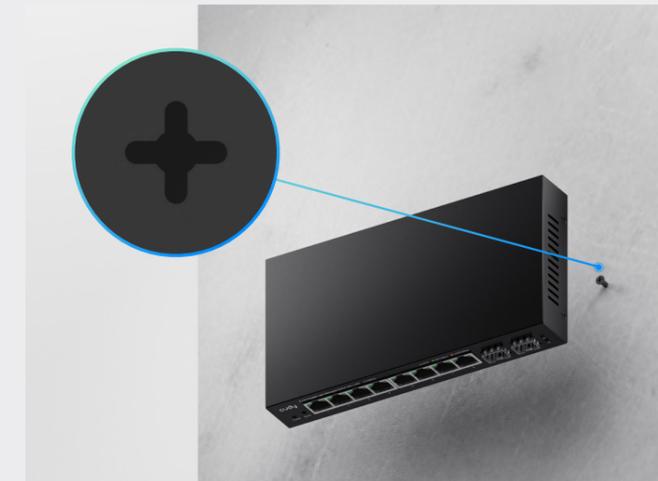
A reliable light-managed switch with Gigabit connections speed and SFP for long-distance uplinks. It offers essential management features to keep your network secure, efficient, and easy to control.



Gigabit Speeds



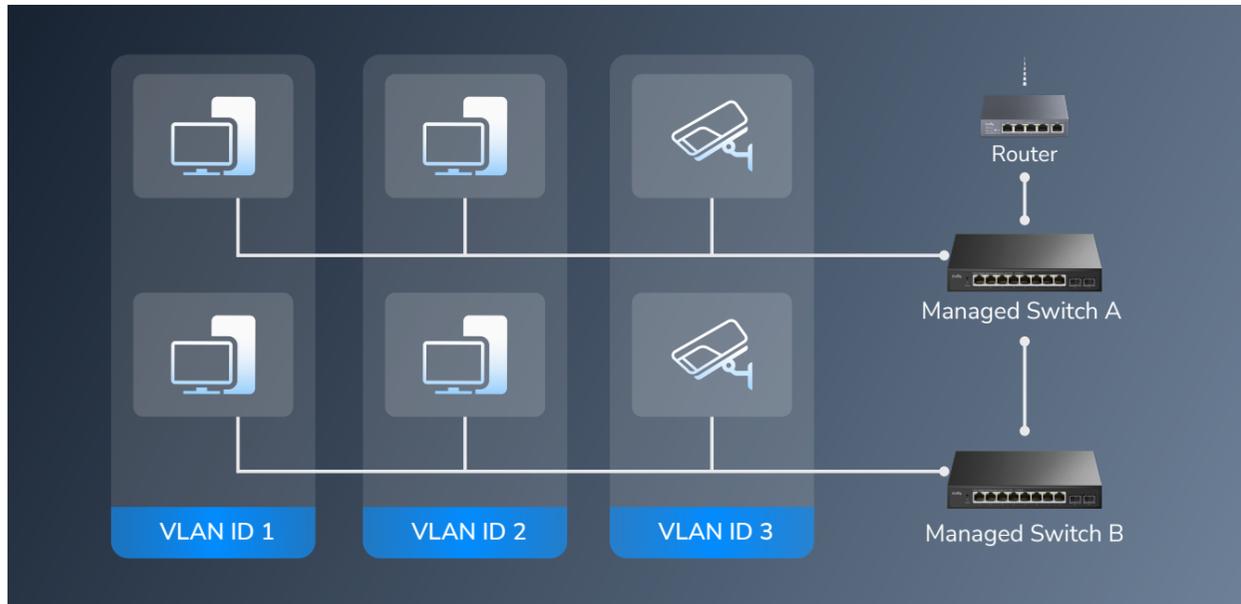
Saves Power. Saves Bills.



Wall-Mount

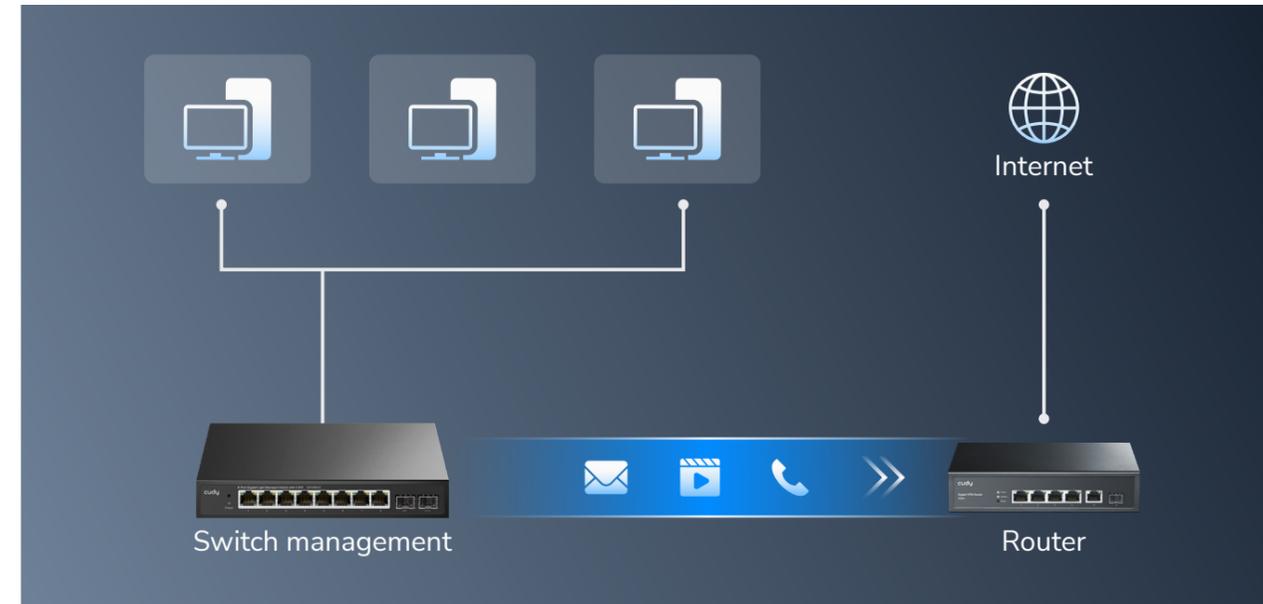
Essential Management Features

A software features introduction to Cudy Light-Managed Switches. The actual port number varies



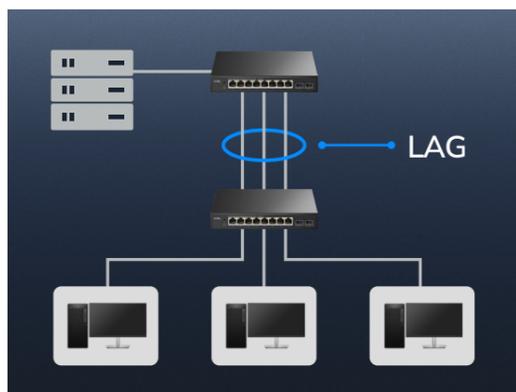
802.1Q/MTU/Port-Based/Voice VLAN

802.1Q VLANs allows creating secure and high-performance network segments across different managed switches. The other MTU/Port-Based VLAN enable simpler local VLAN configuration.



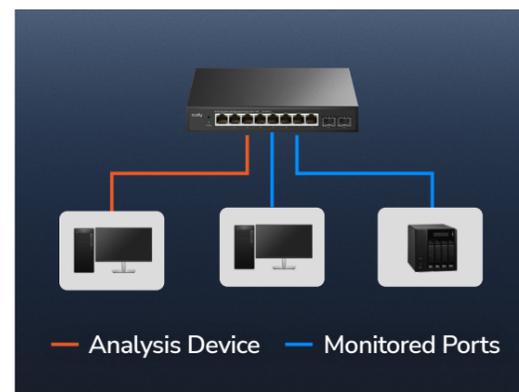
DSCP/802.1p/Port-Based QoS

DSCP/802.1p QoS identifies DSCP packets in the transmission and prioritize those latency-sensitive data.



Link Aggregation

Allows creating multiple LAG groups and multiply the transmission speed of the backbone in your networks.



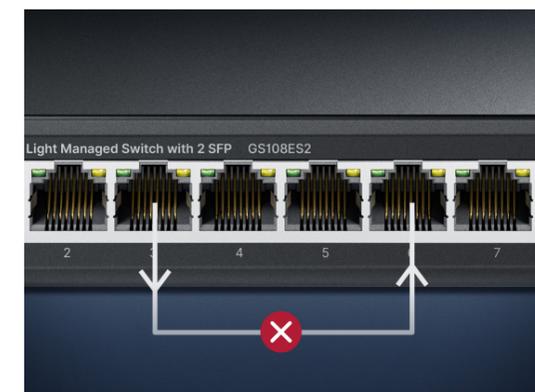
Port Mirroring

Port Mirroring enables real-time diagnosis and troubleshooting by monitoring TX and/or RX traffic on one or multiple ports.



IGMP Snooping

Identifies the multicast groups connected to the switch and sends data to the exact ports instead of broadcasting them.



Loop Detection and Prevention

Automatically detects network loops and blocks affected ports. The indicators will show what ports caused loops.

Highlights

A 8-GbE, 2-SFP switch with management features.

- 8× GbE, 2× 1.25G SFP
- Web Management, SNMP
- VLAN (802.1Q/MTU/Voice/Port-Based)
- QoS (802.1p/DSCP/Port-Based)
- Port Mirror, Static Aggregation, etc
- Loop Detection & Prevention
- DHCP Snooping, IGMP Snooping
- EEE (802.3az Power Saving)
- Desktop, Wall-Mount
- 190×100×28 mm (7.48×3.94×1.1")

Package Content

- GS108ES2
- Power Adapter
- Installation Guide

Hardware Specs

| | | |
|------------------------------|--|---|
| Interfaces | Gigabit RJ45 Ports | 8 |
| | 1.25G SFP Slots | 2 |
| | Extend Mode Ports | Configurable |
| | VLAN Mode Ports | Configurable |
| | LED | Power Link/ACT of Each Ethernet Port |
| | Power Input | DC Jack |
| Performance | Copper Speed and Distance | Cat. 3 or higher cable: 100 meters at 10 Mbps |
| | | Cat. 5 or higher cable: 100 meters at 100 Mbps |
| | | Cat. 5e or higher cable: 100 meters at Gigabit |
| | | Cat. 5e or higher cable: 250 meters at 10 Mbps |
| | | Cat. 6 or higher cable: 150 meters at Gigabit |
| | Copper Speed and Distance Note | 250-meter transmission is available when the port speed is set at 10 Mbps in the software. |
| Optical Spec and Distance | Depends on the installed Optical Module | |
| | MAC Address Table | 4096 |
| | Max Switching Capacity | 21 Gbps |
| | Max Forwarding Rate | 14.88 Mpps |
| | Jumbo Frame | 15 KB |
| | Packet Buffer | 1.5 Mbit |
| Power | Power Saving | EEE Supported |
| | Power Methods | 12V=1A |
| | Power Consumption | 4.5W Max, 0.9W Idle |

Hardware Specs

| | | |
|----------------------|--------------------------|---|
| Reliability | Grounding Methods | Grounding Point |
| | EMS | IEC/EN 61000-4-2, Level 3 ESD: Contact: 6kV; Air: 8kV IEC/EN 61000-4-5, Level X Surge: Power: DM 2kV, CM 4kV; RJ45: CM 6kV |
| | Environment | Operating Temperature: 0 °C ~ 40 °C (32 °F ~104 °F) |
| | | Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F) |
| | | Operating Humidity: 10% ~ 90% non-condensing |
| | | Storage Humidity: 5% ~ 90% non-condensing |
| | | |
| Mechanical | Dimension | 190×100×28 mm |
| | | 7.48×3.94×1.1 inches |
| | Casing Material | Metal |
| | Installation | Desktop |
| | | Wall-mount, Rack-mount |
| Ordering Information | Retail Package Dimension | 209×132×81.5 mm |
| | | 8.23×5.2×3.21 inches |
| | Units per Carton | 10 |
| | Carton Dimension | 43.8×42.8×15.1 cm |
| | | 17.24×16.85×5.94 inches |

Software Specs

| | | |
|-----------|-------------------|---------------------------------|
| Switching | 802.3 Protocols | 802.3x Flow Control |
| | | 802.3i 10BASE-T |
| | | 802.3u 100BASE-TX |
| | | 802.3ab 1000BASE-T |
| | | 802.3z 1000BASE-X |
| | | 802.3az Power Saving |
| | 802.1 Protocols | 802.1p: LAN Layer 2 QoS/CoS |
| | | 802.1q: VLAN Bridge Operation |
| | Port Management | Port On/Off |
| | | Port Negotiation Speed |
| | | Port Trunk (Static Aggregation) |
| | | Port Mirror |
| | | Data Rate Limit |
| | | Jumbo Frame Settings |
| | | Storm Control |
| | | Traffic Monitor |
| | | MAC Address Management |
| | | EEE (802.3az) |
| | Port Trunk Groups | 2 |



Software Specs

| | | |
|-----------|-------------|-----------------|
| Switching | L2 Features | IGMP Snooping |
| | | Loop Detection |
| | | Loop Prevention |
| | | MTU VLAN |
| | | Port-Based VLAN |
| | | 802.1Q VLAN |
| | | DSCP QoS |
| | | 802.1p QoS |
| | | Port-Based QoS |

| | | |
|---------------------|------------------|--------------------|
| System | Control Methods | WEB Management |
| | Firmware Upgrade | Local Upgrade |
| | Reliability | Backup and Restore |
| | Diagnostic Tools | Ping |
| | Languages | English |
| | | Bengali |
| | | German |
| | | Spanish |
| | | French |
| | | Portuguese |
| Russian | | |
| Arabic | | |
| Indonesian | | |
| Hindi | | |
| Urdu | | |
| Traditional Chinese | | |
| Simplified Chinese | | |