

Model: **GS105ES1**

5-Port Gigabit Light-Managed Switch with 1 SFP



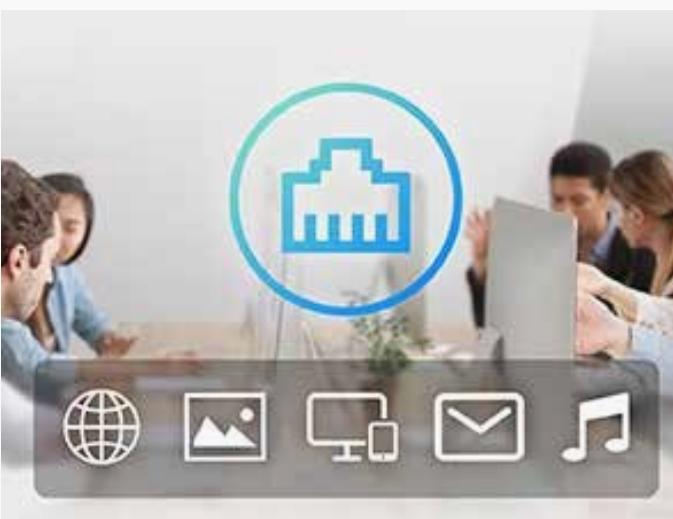
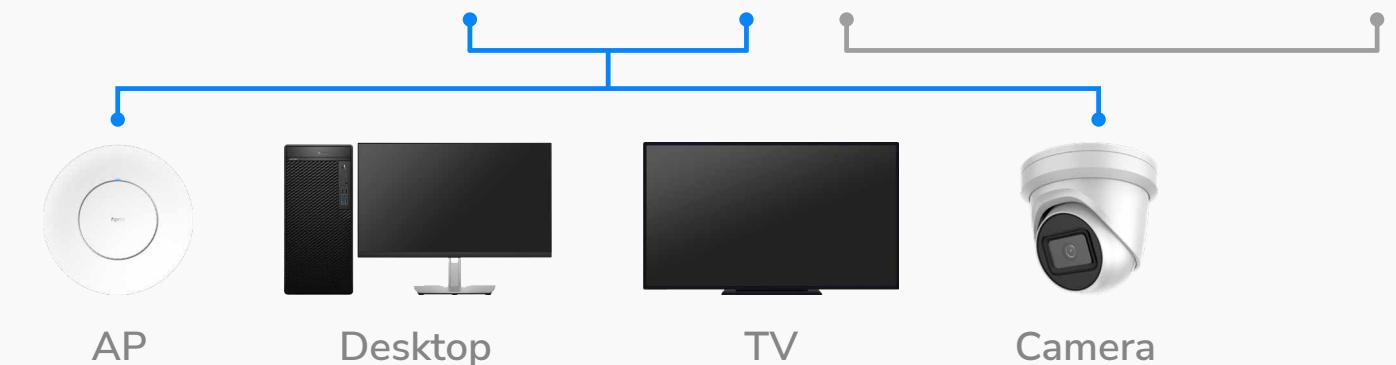
[Web Management](#)

VLAN | QoS | Port Trunk

[Datasheet](#)

Cudy Ethernet Switch

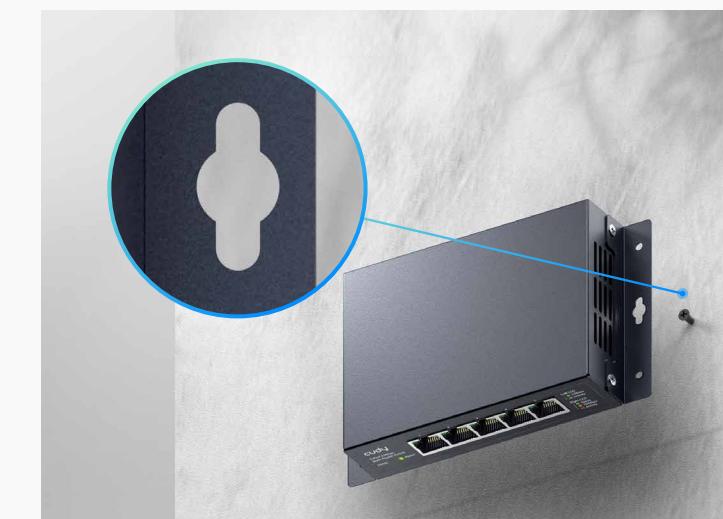
A reliable light-managed switch with Gigabit connections speed and SFP for long-distance uplinks. It offers essential management features to keep your network secure, efficient, and easy to control.



Gigabit Speeds



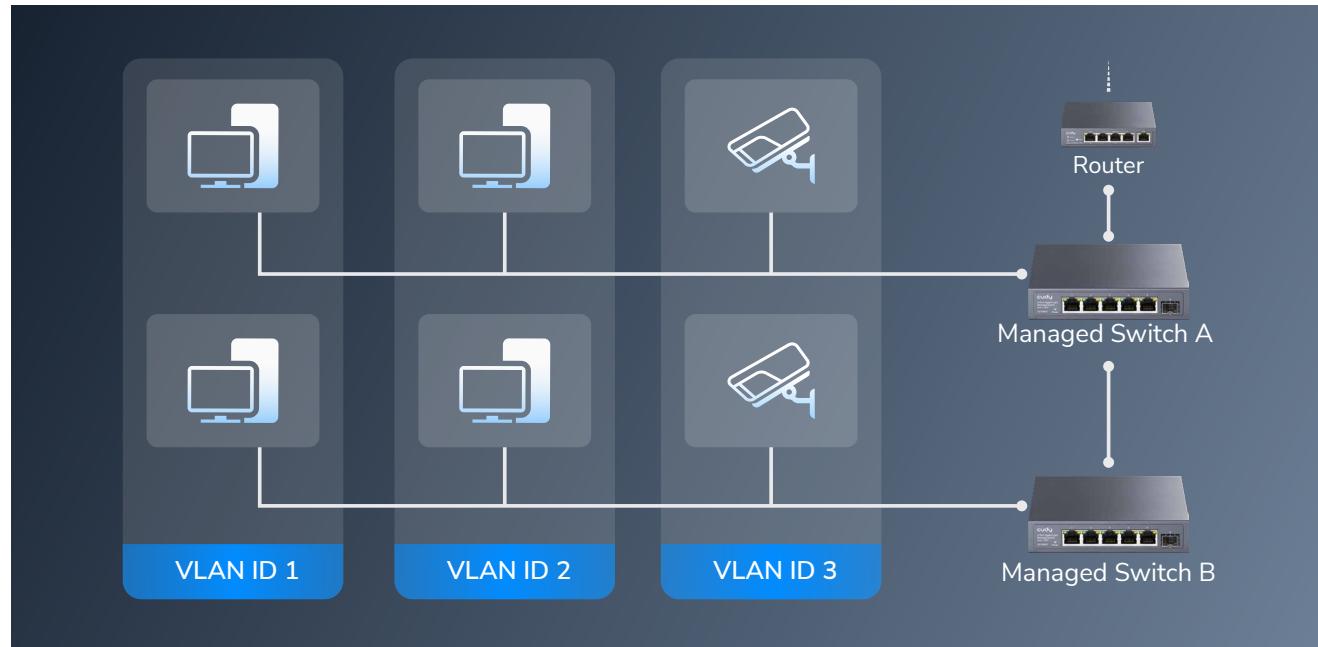
Saves Power. Saves Bills.



Wall-Mount

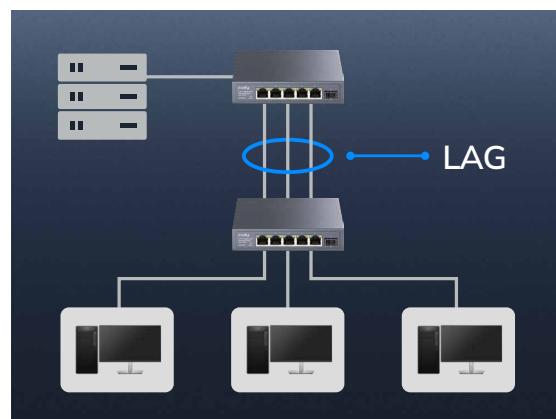
Essential Management Features

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



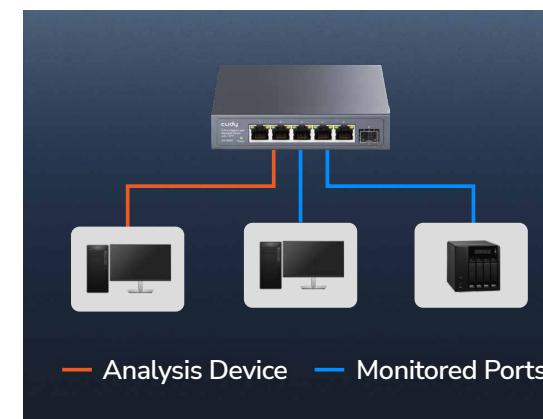
802.1Q/MTU/Port-Based/Voice VLAN

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.



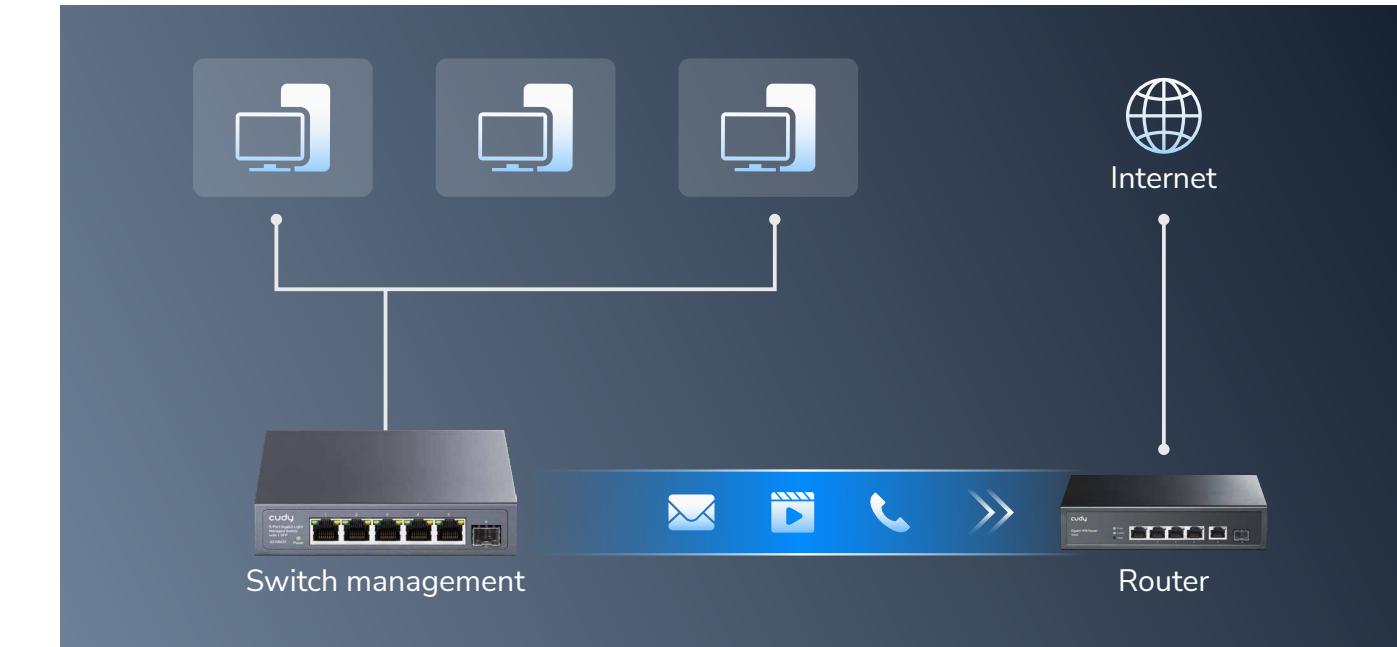
Link Aggregation

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



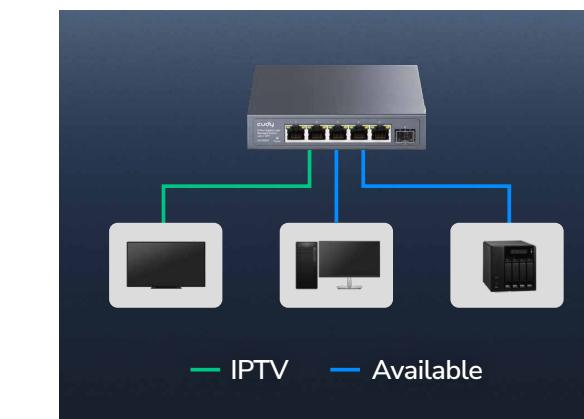
Port Mirroring

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



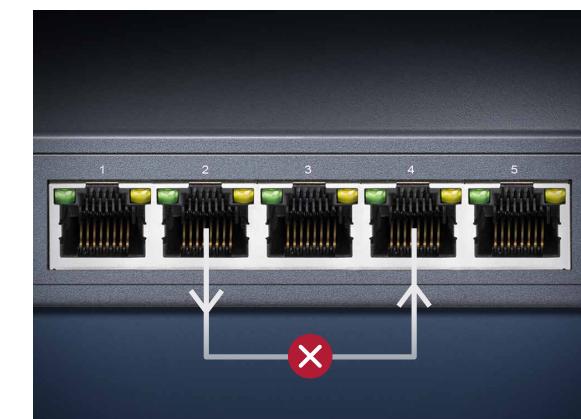
DSCP/802.1p/Port-Based QoS

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



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 5-GbE, 1-SFP switch with management features.

- 5x GbE, 1x 1.25G SFP
- Web Management
- VLAN (802.1Q/MTU/Voice/Port-Based)
- QoS (802.1p/DSCP/Port-Based)
- Port Mirror, Static Aggregation
- Loop Detection and Prevention
- IGMP Snooping
- EEE (802.3az Power Saving)
- Desktop, Wall-Mount
- 119×85×28 mm (4.69×3.35×1.1")

Package Content

- GS105ES1
- Power Adapter
- Installation Guide

Hardware Specs

Interfaces	Gigabit RJ45 Ports	5
	1.25G SFP Slots	1
	Extend Mode Ports	Configurable
	VLAN Mode Ports	Configurable
	LED	Power Link/ACT of Each Ethernet Port
Performance	Power Input	DC Jack
	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
Power	MAC Address Table	2048
	Max Switching Capacity	12.5 Gbps
	Max Forwarding Rate	8.929 Mpps
	Jumbo Frame	15 KB
	Packet Buffer	1 Mbit
	Power Saving	EEE Supported
	Power Methods	DC
DC		5V=0.55A

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	119×85×28 mm 4.69×3.35×1.1 inches
	Casing Material	Metal
	Installation	Desktop Wall-mount
Ordering	Retail Package Dimension	165×123×60 mm
Information		6.5×4.84×2.36 inches
	Units per Carton	20
	Carton Dimension	37.6×26.4×33.8 cm 14.8×10.39×13.31 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	System	Control Methods	WEB Management
		Loop Detection		Firmware Upgrade	Local Upgrade
		Loop Prevention		Reliability	Backup and Restore
		MTU VLAN		Diagnostic Tools	Ping
		Port-Based VLAN		Languages	English
		802.1Q VLAN			Bengali
		DSCP QoS			German
		802.1p QoS			Spanish
		Port-Based QoS			French
					Portuguese
					Russian
					Arabic
					Indonesian
					Hindi
					Urdu
					Traditional Chinese
					Simplified Chinese