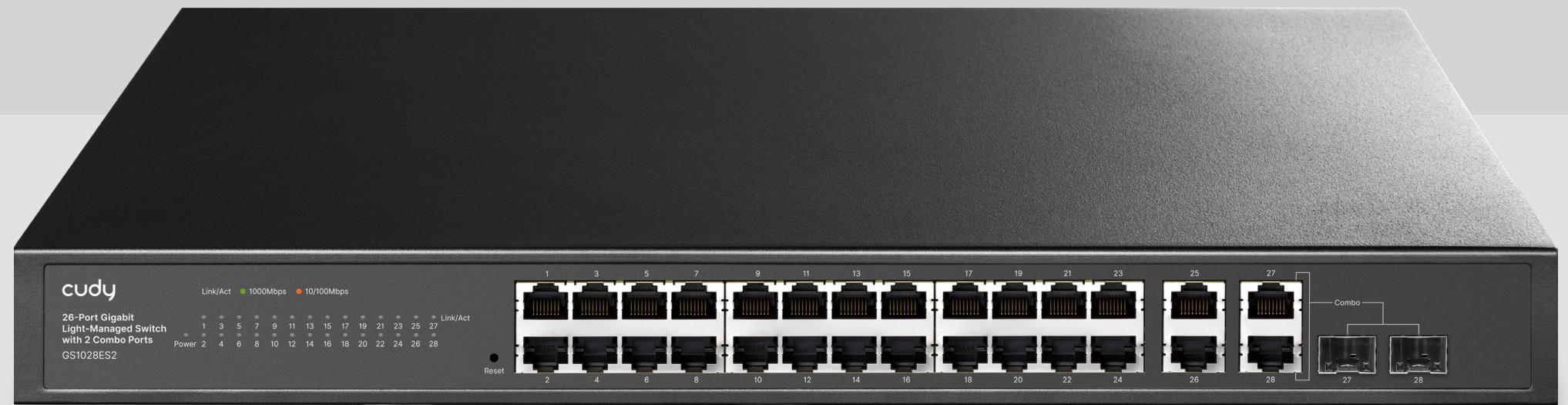


Model: **GS1028ES2**

**26-Port Gigabit  
Light-Managed Switch  
with 2 Combo Ports**



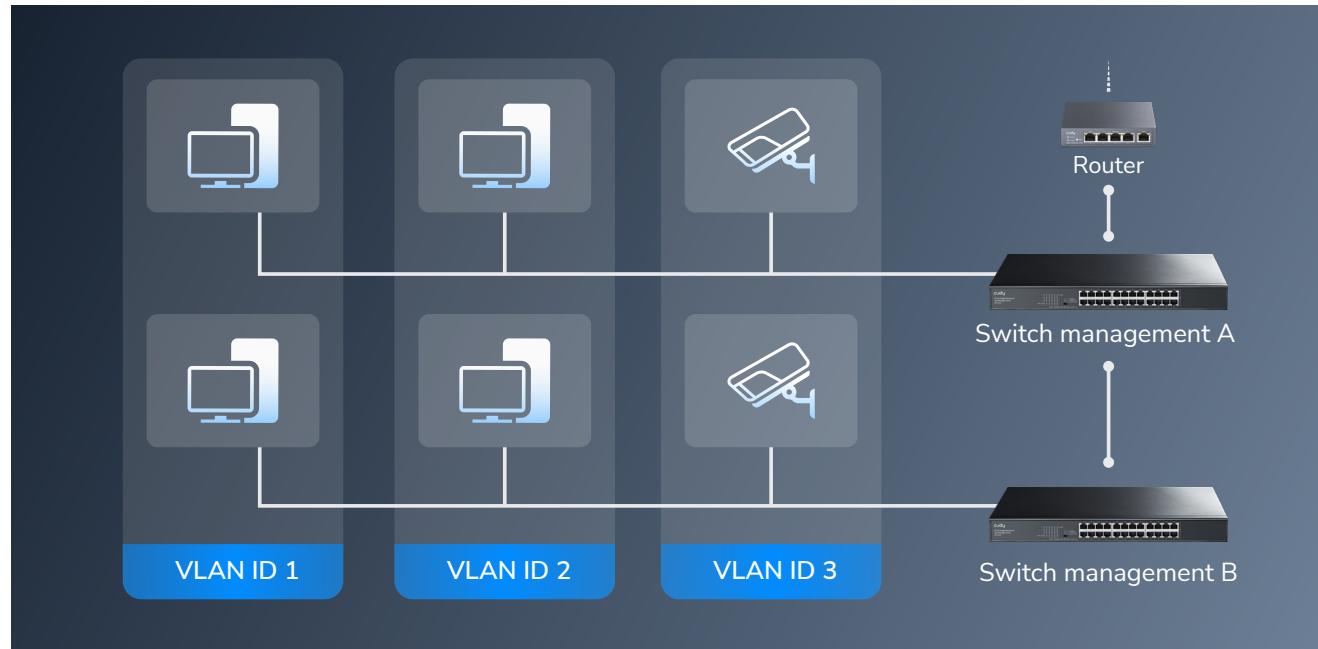
**Web Management**

VLAN | QoS | Port Trunk

[Datasheet](#)

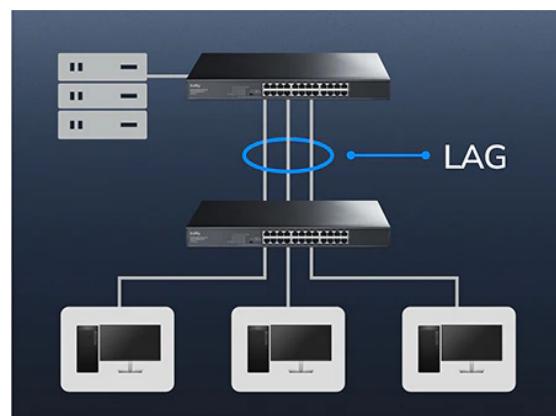
# Essential Management Features

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



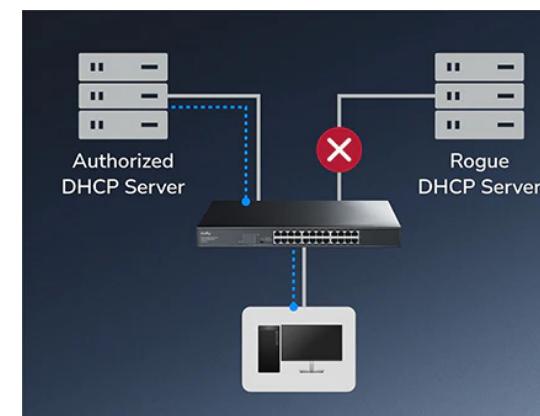
## 802.1Q/MTU/Port-Based/Voice VLAN

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.



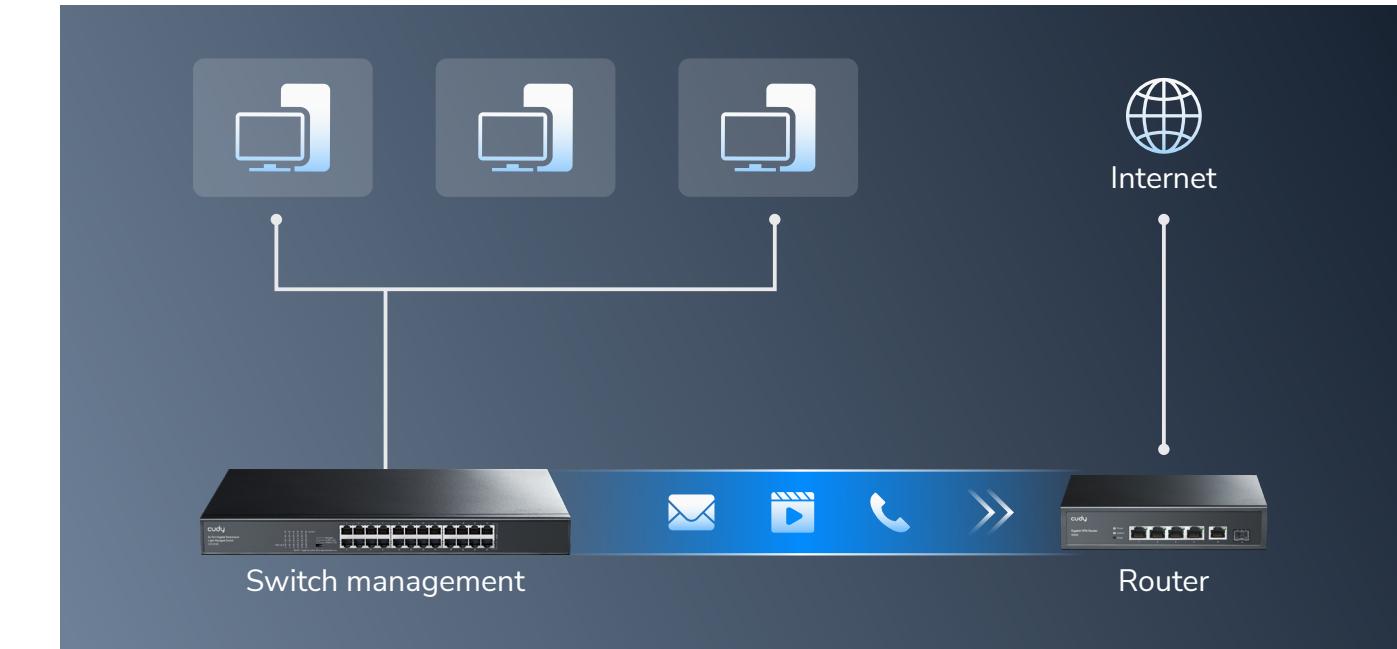
## Link Aggregation

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



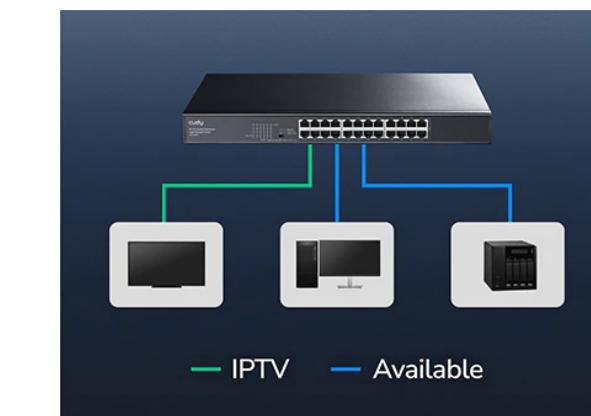
## DHCP Snooping

Assign an authorized DHCP server to prevent downtime when other rogue DHCP server connects into the network.



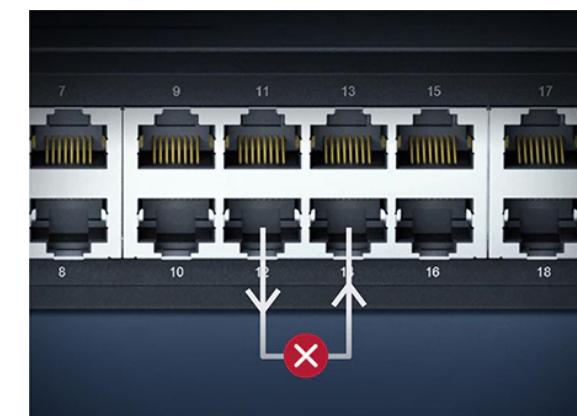
## DSCP/802.1p/Port-Based QoS

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 Prevention

Automatically detects network loops and blocks affected ports.

# Highlights

A 26-GbE switch with 2 Gigabit RJ45/SFP combo ports and management features.

- 26x GbE, 2x Combo Ports
- Web Management, SNMP
- VLAN (802.1Q/MTU/Voice/Port-Based)
- QoS (802.1p/DSCP/Port-Based)
- Port Mirror, Static Aggregation, etc
- DHCP Snooping, IGMP Snooping
- EEE (802.3az Power Saving)
- 440×180×44 mm (17.32×7.09×1.73")

# Package Content

- GS1028ES2
- Power Cord
- Mounting Kit
- Installation Guide

# Hardware Specs

Interfaces	Gigabit RJ45 Ports	26
	SFP/RJ45 Combo Ports	2
	Extend Mode Ports	Configurable
	VLAN Mode Ports	Configurable
	LED	Power
		Link/ACT of Each Ethernet Port
Performance	Power Input	AC
	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
	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	8192
	Max Switching Capacity	56 Gbps
	Max Forwarding Rate	41.664 Mpps
	Jumbo Frame	15 KB
	Packet Buffer	4 Mbit
Power	Power Saving	EEE Supported
	Power Methods	AC
	AC	100-240V 50/60Hz

# Hardware Specs

Reliability	Grounding Methods	Three-Prong Plug	Switching	802.3 Protocols	802.3x Flow Control
	EMS	IEC/EN 61000-4-2, Level 3 ESD: Contact: 6kV; Air: 8kV		802.3i 10BASE-T	802.3i 10BASE-T
		IEC/EN 61000-4-5, Level X Surge: Power: DM 4kV, CM 4kV; RJ45: CM 6kV		802.3u 100BASE-T	802.3u 100BASE-T
		Operating Temperature: 0 °C ~ 40 °C (32 °F ~104 °F)		802.3ab 1000BASE-T	802.3ab 1000BASE-T
	Environment	Storage Temperature: -40 °C ~ 70 °C (-40 °F ~ 158 °F)		802.3az Power Saving	802.3az Power Saving
		Operating Humidity: 10% ~ 90% non-condensing		802.1 Protocols	802.1d: STP
		Storage Humidity: 5% ~ 90% non-condensing			802.1w: RSTP
					802.1p: LAN Layer 2 QoS/CoS
					802.1q: VLAN Bridge Operation
					802.1ab: LLDP/LLDP-MED
Mechanical	Dimension	440×180×44 mm 17.32×7.09×1.73 inches	Port Management	Port On/Off	Port On/Off
	Casing Material	Metal		Port Negotiation Speed	Port Negotiation Speed
	Installation	Desktop Rackmount via Brackets		Port Trunk (Static Aggregation)	Port Trunk (Static Aggregation)
				Port Mirror	Port Mirror
				Data Rate Limit	Data Rate Limit
Ordering Information	Retail Package Dimension	487×267×84 mm 19.17×10.51×3.31 inches		Jumbo Frame Settings	Jumbo Frame Settings
	Units per Carton	5		Storm Control	Storm Control
	Carton Dimension	50×44×28.5 cm 19.69×17.32×11.22 inches		Traffic Monitor	Traffic Monitor
				MAC Address Management	MAC Address Management
				EEE (802.3az)	EEE (802.3az)
			Port Trunk Groups	4	Port Trunk Groups
			Max Port per Port Trunk Groups	8	Max Port per Port Trunk Groups

# Hardware Specs

Switching	L2 Features	IGMP Snooping	System	Control Methods	WEB Management
		Loop Prevention			SNMP V1/V2
		DHCP Snooping		Firmware Upgrade	Local Upgrade
		STP/RSTP		Reliability	Backup and Restore
		LLDP Config and Neighbors		Diagnostic Tools	Cable Status/Length Diagnosis
		MTU VLAN			Ping
		Port-Based VLAN		Languages	English
		802.1Q VLAN			Bengali
		Voice VLAN			German
		DSCP QoS			Spanish
		802.1p QoS			French
		Port-Based QoS			Portuguese
					Russian
					Arabic
					Indonesian
					Hindi
					Urdu
					Traditional Chinese
					Simplified Chinese