



Model: GS1020PS2

16-Port Gigabit PoE+ Switch with 2 Gigabit SFP



16

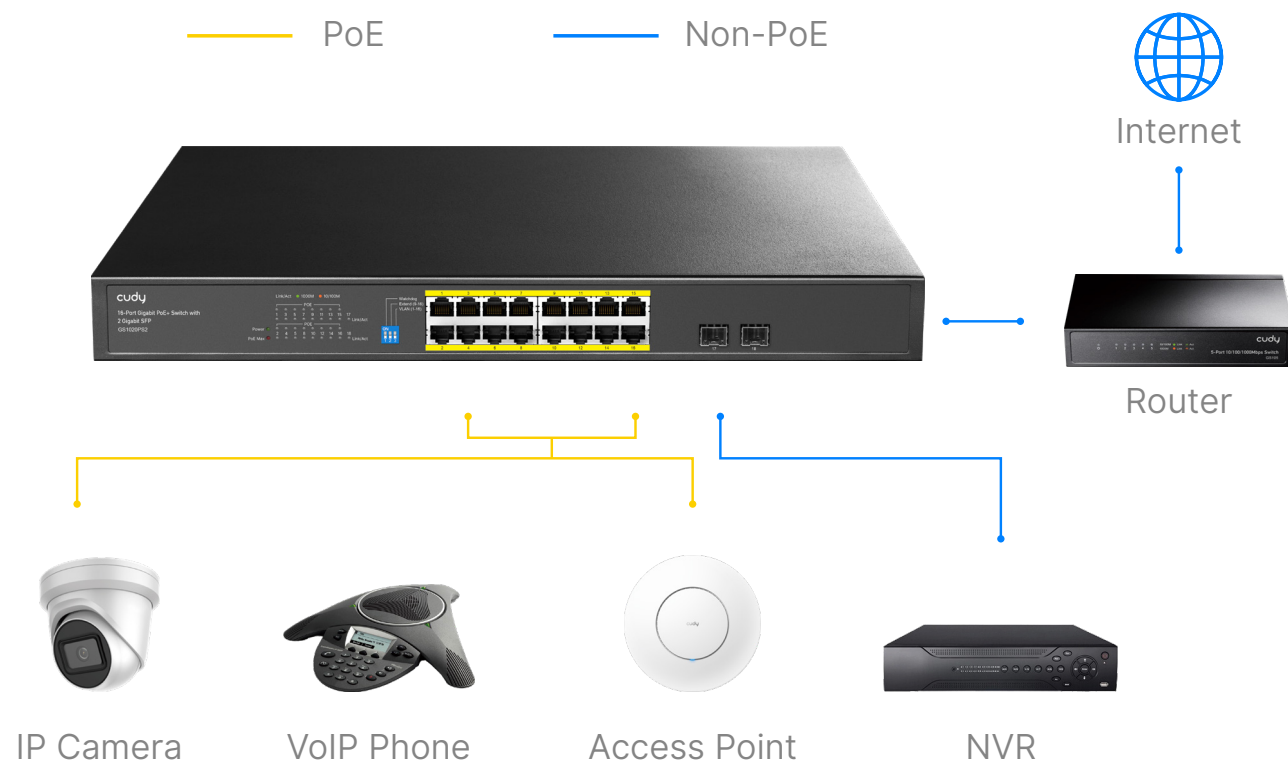
PoE+ Ports

200W

Power Supply

Watchdog

[Datasheet](#)

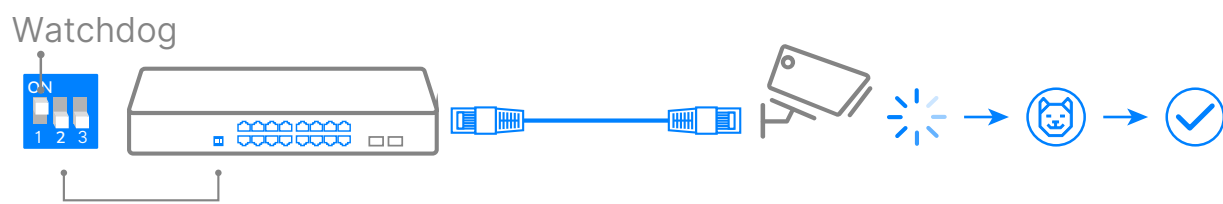


PoE Status

Check the PoE powering status of each PoE port and improve efficiency of troubleshooting.

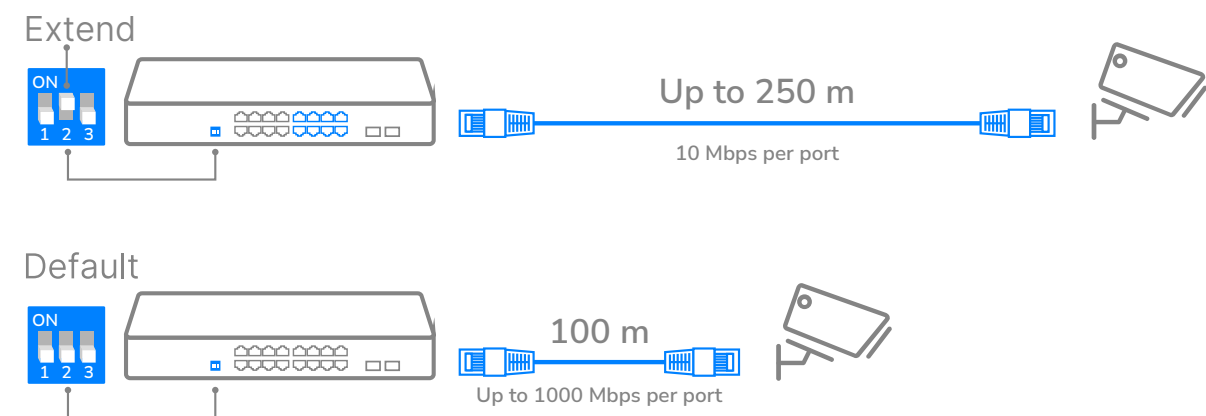
Watchdog for Improved Reliability

The PoE Watchdog monitors link activity on port 1~16 and attempts to reboot connected clients that have been inactive for 5 minutes, ensuring system stability. Do not turn it on for clients with online auto-upgrade feature.



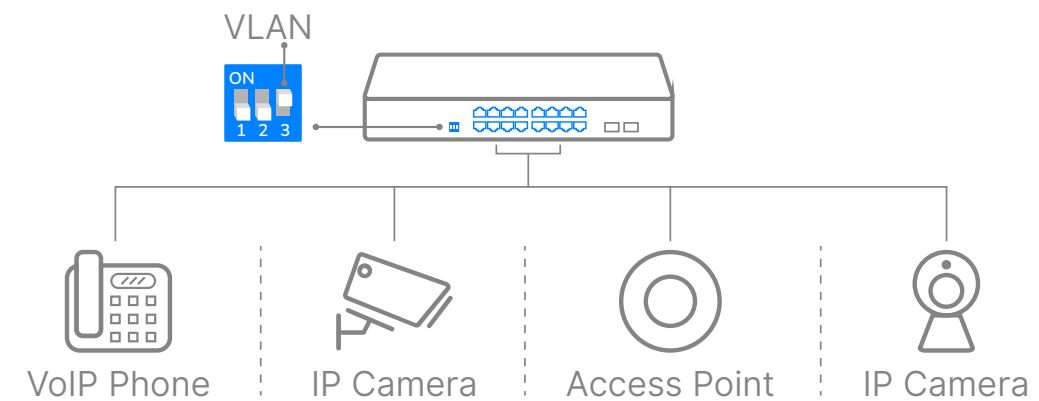
Extend for Long-Range Powering

Prolongs the PoE transmission distance of ports 9~16 to a maximum of 250 m, enabling long-range surveillance installations.



VLAN Mode for Port Isolation

Separates clients into different subnets for improved security, preventing data leakage in case of client-side hacking.





Highlights

A rack-mounted 16-GbE, 2-SFP PoE switch with a 200W power supply and a silent cooling system, featuring Extend/VLAN modes, and Watchdog feature.

- 16× GbE with 802.3at/af Mode A PoE
- 2× Uplink SFP
- 200W Power Supply
- Extend On/Off, VLAN On/Off
- Watchdog On/Off
- PoE Max, PoE per Port LED
- Desktop, Rack-Mount
- 440×180×44 mm (17.32×7.09×1.73")

Package Content

- GS1018PS2
- Power Cord
- Mounting Kit
- Installation Guide

Specifications

Interfaces	Gigabit SFP Slots	2
	Gigabit RJ45 Ports	16
	Gigabit RJ45 PoE Ports	#1~#16
	Max Power on a Single PoE Port	30W
	PoE Port Notes	The PoE ports comply with IEEE 802.3at/af standards.
	Intelligent Power Management (PoE)	Automatically disconnect the lastly powered device when power exceeds budget.
	Extend Mode Ports	#9~#16
	VLAN Mode Ports	#1~#16
	LED	Power PoE Status of Each PoE Port Link/ACT of Each Ethernet Port PoE Max Status
	Power Input	AC Inlet
Physical Buttons	Extend On/Off	
	VLAN On/Off	
	PoE Watchdog On/Off	
Physical Buttons Note	The PoE Watchdog will attempt to reboot the plugged-in clients that have been inactive for 5 minutes. Do not turn it on for clients with online auto-upgrade feature.	



Specifications

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
	Copper Speed and Distance Note	250-meter transmission is only available on the Extend Mode ports when the Extend Mode is activated.
	Optical Spec and Distance	Depends on the Installed Optical Module
	MAC Address Table	8192
	Max Switching Capacity	36 Gbps
	Max Forwarding Rate	26.78 Mpps
	Jumbo Frame	15 KB
	Packet Buffer	4 Mbit
Power	Power Methods	AC
	AC	100-240V 50/60Hz
	Power Supply	200W
	Max Power Excluding PoE	14W
Switching	L2 Features	Loop Prevention
	(always-on, not-configurable)	Loop Detection
		DSCP QoS
		802.1p QoS

Switching	802.3 Protocols	802.3i 10BASE-T
		802.3u 100BASE-TX
		802.3ab 1000BASE-T
		802.3z 1000BASE-X
		802.3x Flow Control
		802.3af PoE
Reliability	Grounding Methods	802.3at PoE
		Three-Prong Plug
		IEC/EN 61000-4-2, Level 3 ESD: Contact: 6kV; Air: 8kV
	Environment	IEC/EN 61000-4-5, Level 4 Surge: Power: DM 2kV, CM 4kV; RJ45: CM 4kV
		Operating Temperature: 0~40 °C (32~104 °F)
		Storage Temperature: -40~70°C (-40~158 °F)
Mechanical	Dimension	Operating Humidity: 10~90% non-condensing
		Storage Humidity: 10~95% non-condensing
	Product Weight	440×180×44 mm
		17.32×7.09×1.73 inches
	Casing Material	2257.1 g (79.62 oz.)
	Installation	Metal
		Desktop, Rackmount via Brackets