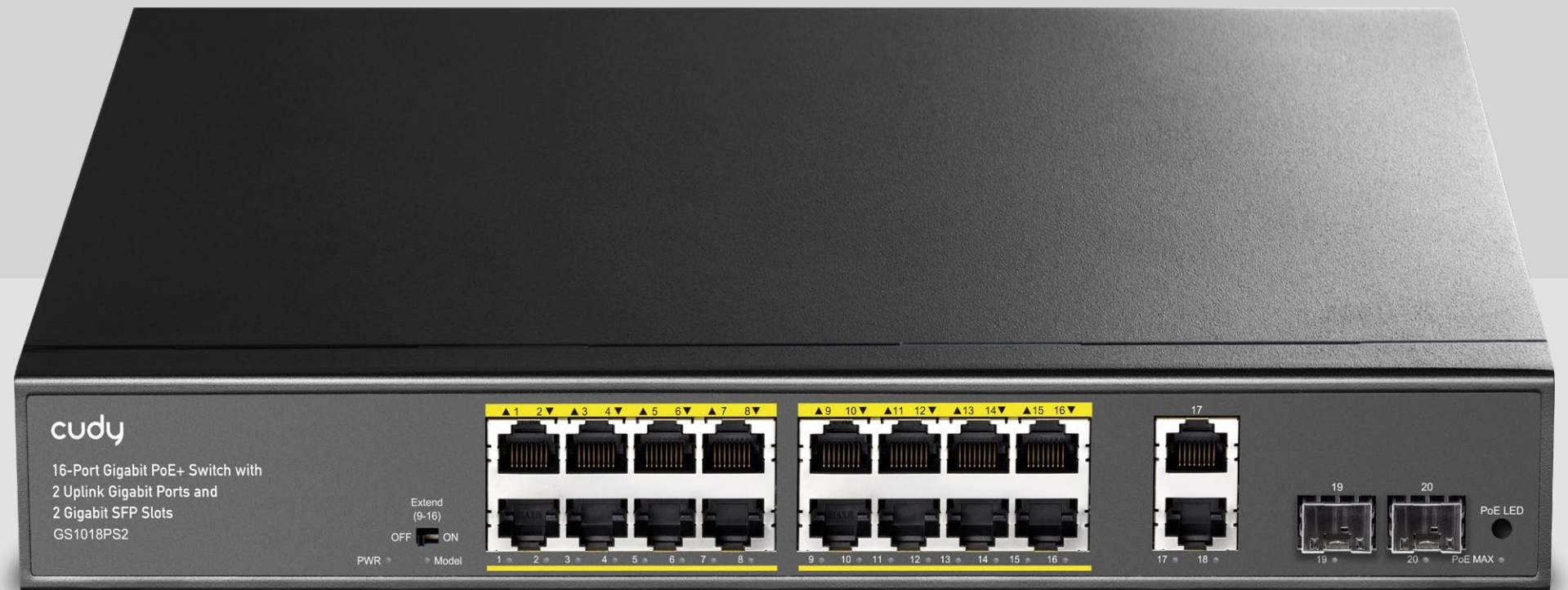cudy

Model

GS1018PS2

16-Port Gigabit PoE+ Switch with
2 Uplink Gigabit Ports and 2 SFP Slots

![cudy logo]

Features

- 16× PoE+ GbE + 2× Uplink GbE + 2× SFP Slots

- Comply with IEEE802.3, IEEE802.3u, IEEE802.3ab Standard

- Extend transmission distance to 250 m for ports 9~16 in Extend mode

- POE priority from ports 1~16 enabled by default

- Watchdog automatically reboots unresponsive clients connected to ports 1~16 to improve system stability under Extend mode

- Flow control full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard

- Panel indicator monitors status and helps failure analysis

- Display PoE budget usage with PoE status light

- Display PoE powering status at each port

- Surge Protection: Max 4KV common protection

- ESD Preotcion: Max 8KV air / 6KV contact protection

Specifications

Power	AC100-240V 50/60Hz
Ethernet	16× Gigabit PoE Ports
	2× Uplink Gigabit Ports
	2× Gigabit SFP Slots
Chipset	EN8850DH, RTL8238B
Bandwidth	40 Gbps
Pack forward rate	29.76 Mpps
Packet Buffer	3 Mbit
MAC Address	8K
Forwarding Mode	Store and Forward
Network Protocols	IEEE802.3 (Ethernet)
	IEEE802.3u (Fast Ethernet)
	IEEE802.3ab (Gigabit Ethernet)
	IEEE802.3x (Flow Control)
	IEEE 802.3z (Gigabit Fiber Standard)
PoE Protocols	IEEE802.3af (15.4W)
	IEEE802.3at (30W)
	POE port output voltage: DC 44-57V
	POE power supply core: 1/2+; 3/6-
Industry Standards	EMS: EN61000-4-2 (ESD)
	EN61000-4-5 (Surge)

Specifications

Network medium	10Base-T: Cat 3, 4, 5 Class or above UTP/STP (≤ 100m)	Mode DIP Switch light	On: Extend on
	100Base-TX: Cat 5 Class or above UTP/STP (≤ 100m)		Off: Extend off
	1000Base-TX: Cat 5 Class or above UTP/STP (≤ 100m)	LED Switch Button	Switch the PoE Powering Light between default green
Optical Mediumt	Multimode optical fiber: 50/125, 62.5/125, 100/140um		(link data) and yellow (PoE powering)
	Single-mode optical fiber: 8/125, 8.7/125, 9/125, 10/125um	Extend DIP Switch	OFF： common mode, all interfaces can communicate with each
Working Environment	Working temperature: -10~50°C		other, the transmission distance is less than 100 meters,
	Storage temperature: -40~70°C		the transmission rate is 10/100/1000M adaptive; The watchdog
	Working humidity: 10%~90%, non-condensing		is disabled
	Storage humidity: 5%~95%, non-condensing		ON: Link extension mode, 9-16 ports force 10 Mbps, distance
LED Indicator	PWR (Power), 1-20 Green Light (Link&Data),		extended to 250 meters. watchdog is enabled for ports 1-16
	1-16 (Yellow Light), POE Led Key	Structure Size	Product Dimensions: 320*207*44mm
PWR	On: Powered on		Package Dimensions: 370*290*85mm
	Off: Powered off		Product N.W: 1.78KG
1-20 Green Light (Link&Data)	On: Link normal		Product G.W: 2.28KG
	Off: Link blocked	Packing Info	Carton Dimensions: 445*310*390mm
	Flashing: Data transmitting		Packing Quantity: 5 PCS
1-16 Yellow Light (PoE Powering)	On： PoE on		Packing Weight: 12.4 KG
	Off： PoE off	Power Voltage	Input Voltage: AC 100-240V 50-60Hz
PoE Status Indicator	Off: indicates PoE power usage is less than 90%		Supply Power: 52V / 3.84A
	Flashing: indicates PoE power usage of 90% ≤ P ≤ 95%	Power	Non PoE board power: maximum 10W
	On: indicates that PoE power is used at 95%<P<100%		PoE power: maximum 180W
		Package List	1× Switch, 1× Power Cord, 1× User Manual