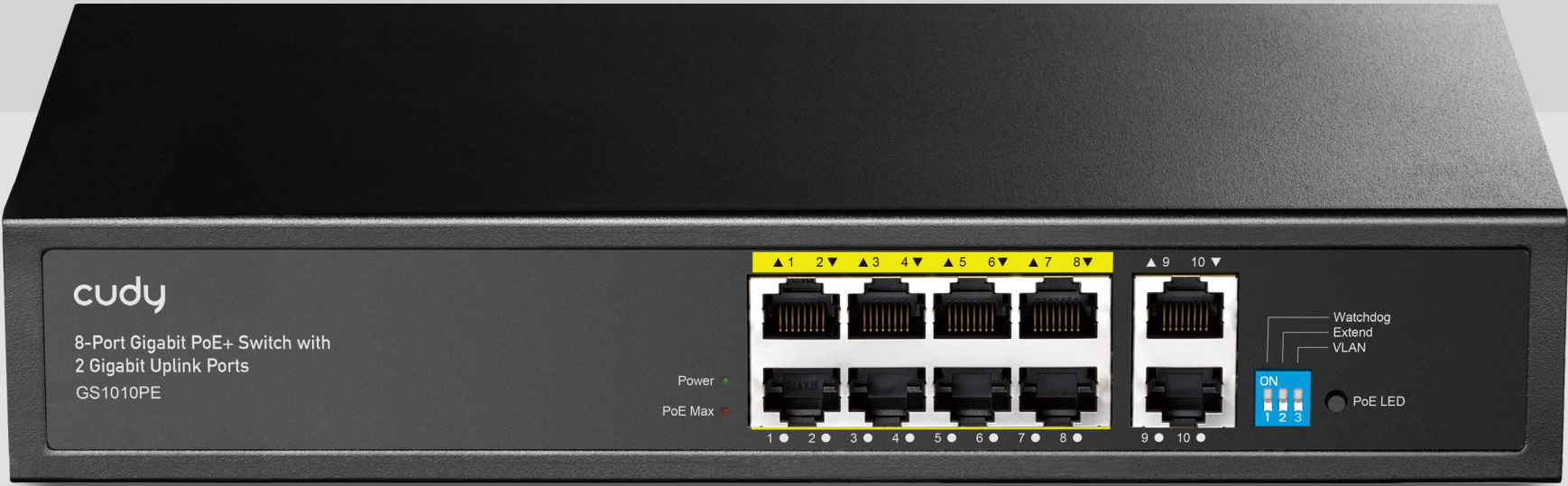




Model: GS1010PE

# 8-Port Gigabit PoE+ Switch with 2 Gigabit Uplink Port



8

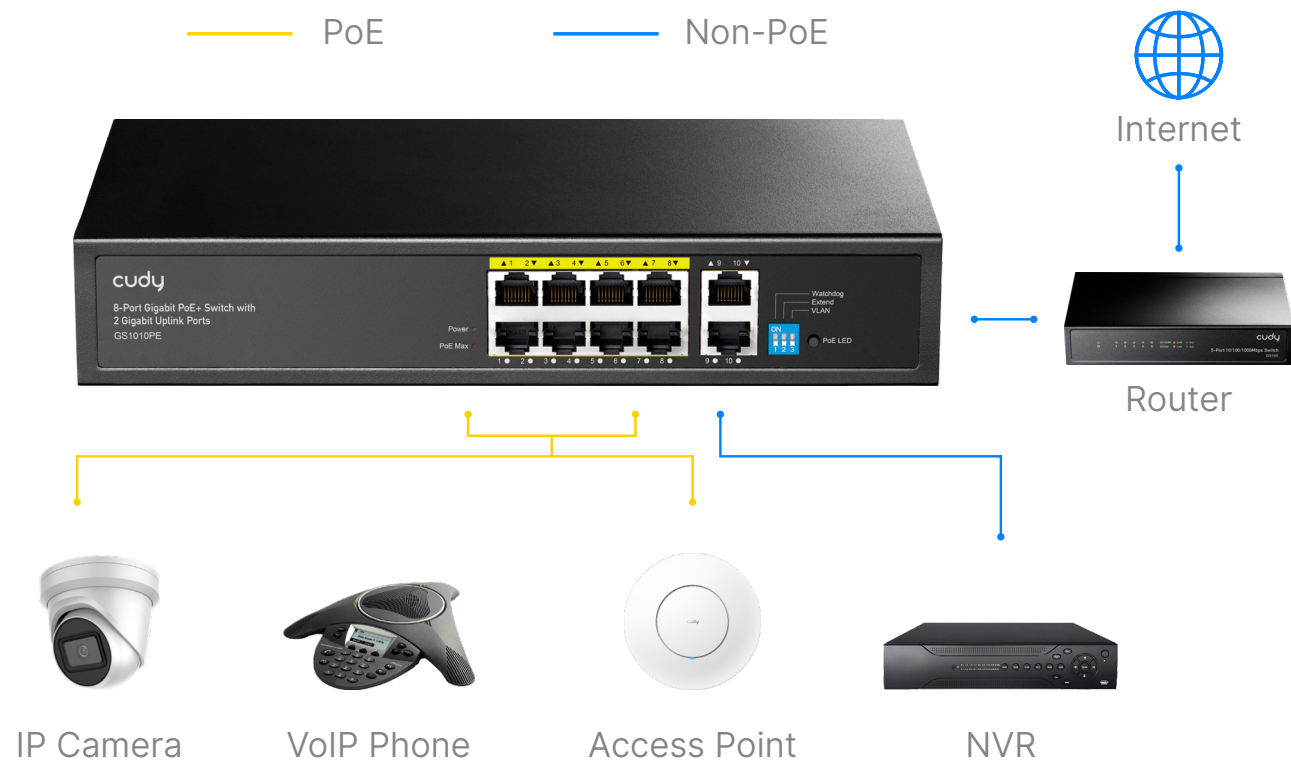
PoE+ Ports

120W

Power Supply

Watchdog

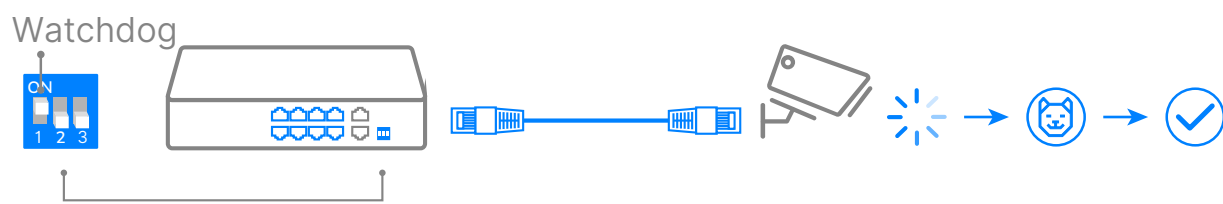
[Datasheet](#)



Cudy PoE switches connect and power various network devices seamlessly and efficiently. PoE Switches simplify network infrastructure by combining power and data into a single cable, eliminating additional power outlets and wiring.

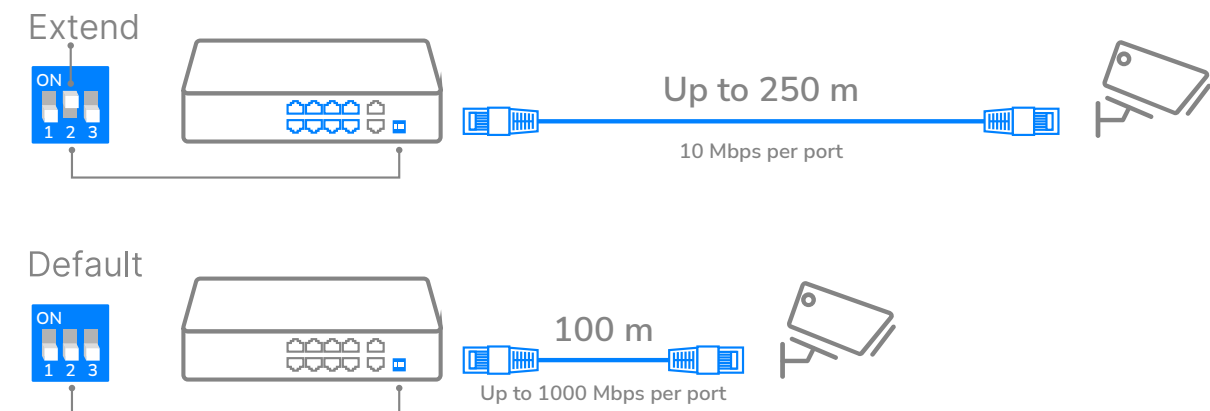
## Watchdog for Improved Reliability

The PoE Watchdog monitors link activity on port 1~8 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.



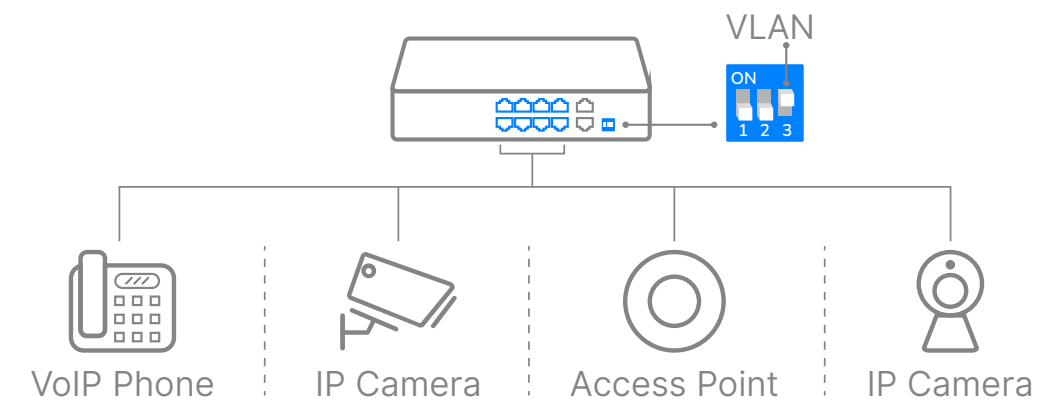
## Extend for Long-Range Powering

Prolongs the PoE transmission distance of port 1~8 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

- 8× GbE with 802.3at/af PoE up to 30W each port
- 2× Uplink GbE
- Internal 120W Power Supply
- Default/VLAN/Extend Modes
- PoE Watchdog
- PoE Max, PoE per Port LED
- Intelligent power management to prevent power overload
- Fanless Cooling System
- Desktop, Rack-Mountable with mounting kits
- 256×170×44 mm (10.08×6.69×1.73")

# Specifications

|           |                                                     |                                   |
|-----------|-----------------------------------------------------|-----------------------------------|
| Protocols | 802.3 Protocols                                     | 802.3i 10 Mbps over Twisted Pair  |
|           |                                                     | 802.3u 100 Mbps over Twisted Pair |
|           |                                                     | 802.3ab 1 Gbps over Twisted Pair  |
|           |                                                     | 802.3af PoE                       |
|           |                                                     | 802.3at PoE                       |
| Advanced  | PoE Watchdog                                        |                                   |
|           | Muliple working modes, Intelligent power management |                                   |

|                                                |                       |                                                                    |
|------------------------------------------------|-----------------------|--------------------------------------------------------------------|
| Interfaces                                     | Physical Buttons      | Extend On/Off                                                      |
|                                                |                       | VLAN On/Off                                                        |
|                                                |                       | Watchdog On/Off                                                    |
|                                                |                       | PoE LED Button                                                     |
|                                                | PoE+ Ethernet Ports   | 8× GbE                                                             |
|                                                | Uplink Ethernet Ports | 2× GbE                                                             |
|                                                | Extend Mode Ports     | #1~#8                                                              |
|                                                | VLAN Mode Ports       | #1~#8                                                              |
|                                                | LED                   | Power                                                              |
|                                                |                       | PoE Status of Each PoE Port                                        |
|                                                |                       | Link/ACT of Each Ethernet Port                                     |
|                                                |                       | PoE Max Status                                                     |
|                                                | Power Input           | 100-240V AC, 50/60 Hz                                              |
|                                                | Performance           | Copper Speed and Distance                                          |
| 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. |
| Max Forwarding Rate                            |                       | 14.88 Mpps                                                         |
| Max Switching Capacity                         |                       | 20 Gbps                                                            |
| MAC Address Table                              |                       | 2048                                                               |
| Jumbo Frame                                    |                       | 16KB                                                               |
| Packet Buffer                                  | 1 Mbits               |                                                                    |



# Specifications

|             |                            |                                               |
|-------------|----------------------------|-----------------------------------------------|
| Power       | Power Methods              | AC                                            |
|             | AC                         | 100-240V 50/60Hz                              |
|             | Idle Power Consumption (W) | 10                                            |
|             | Max Power Consumption (W)  | 120                                           |
| Reliability | Lightning/Surge Protection | GbE: DM 2kV, CM 4kV                           |
|             | ESD Air Protection         | 8kV                                           |
|             | ESD Contact Protection     | 6kV                                           |
|             | Grounding Methods          | Three-Prong Plug                              |
|             | Environment                | Operating Temperature: -10~50 °C (14~122 °F)  |
|             |                            | Storage Temperature: -40~70 °C (-40~158 °F)   |
|             |                            | Operating Humidity: 10%~90% non-condensing    |
|             |                            | Storage Humidity: 5%~95% non-condensing       |
| Mechanical  | Installation               | Desktop                                       |
|             |                            | Rackmount via Brackets (Bracket not included) |
|             | Casing Material            | Metal                                         |
|             | Dimension                  | 256×170×44 mm                                 |
|             |                            | 10.08×6.69×1.73 inches                        |

# Package Content

- GS1010PE
- Power Cord
- Installation Guide