



## Long Range 8-Port Gigabit PoE+ Switch with DIP Switch

GS-1008PL V2

### FEATURES

- **Gigabit High Speed PoE+**: Equipped with 8 Gigabit PoE+ ports, IEEE 802.3af/at PoE compliant, supports up to 30W per PoE port (total power budget: 70W)
- **PoE Long Range Extension**: Guaranteed PoE transmit distance to 200 meters at speed of 10Mbps
- **Port-based VLAN**: Port isolated from each other to prevent multicast or broadcast storms
- **Hardware QoS**: Easy DIP switch setup QoS, supports 802.1p, for video & voice traffic priority
- **PoE Auto Detection**: Auto detect PoE and non-PoE devices to avoid from being damaged by incorrect power sending
- **Power Backfeed Protection**: Equipped with power backfeed protection to avoid damaging the PoE ports
- **Plug-and-Play, Flexible Network Deployment & Energy Efficient**
- **Quiet Fanless, Compact, Durable Metal Casing**

### OVERVIEW

The Edimax GS-1008PL V2 is a Long Range 8-Port Gigabit PoE+ Switch designed for using at home, or small and medium sized network environments. With 8 DIP switches, the PoE port can be manually set for ON-OFF control to extend the PoE delivery distance to 200 meters or further, and also support port-based VLAN and QoS functions.

It easily connects and supplies power to PoE-enabled devices such as wireless access points, network cameras and IP phones as well as other Ethernet-enabled devices such as computers, printers and network attached storage (NAS). The device's compact size, fanless and rack-mount metal casing design make it an ideal solution for expanding home and small business networks.

### PoE Long Range Extension

The built-in solid DIP switch provides long range extension operation, status ON, the GS-1008PL V2 operates on a per-port basis at 10Mbps duplex operation but can support PoE power output over a distance up to 200 meters overcoming the 100 meters limit on Ethernet UTP cable. With this feature, the GS-1008PL V2 provides an additional solution for 802.3at/af PoE distance extension, thus saving the cost of Ethernet cable installation.

### Port-based VLAN, Port Isolation

The GS-1008PL V2 features port-based VLAN where ports can be isolated from each other via DIP switch port 3 & 8. This can help to prevent IP camera's multicast or broadcast storms from affecting each other.

### Hardware QoS

Supports 802.1p QoS via DIP switch port 4. This ensures first priority for video and voice traffic for reduced package loss, lower latency and jitter on the network.

### Power Backfeed Protection

Each port equipped with power backfeed protection to avoid damaging the PoE ports while the non-standard PSEs (Power Sourcing Equipments) connected.

## Surveillance Mode

The unique Surveillance-mode is ideal for surveillance networking environments. Switching all DIP switches to “on” enables Surveillance-mode which gives PoE + data extended transmission distance, Port Isolation and QoS on the GS-1008PL V2. When using video surveillance systems for homes, businesses or institutions, the Surveillance-mode provides better speeds for multicast viewing and easier installation.

## PoE Auto Detection

With PoE auto detection capability, the GS-1008PL V2 is able to verify whether the connected device is IEEE 802.3at/af compliant. In the event that a PoE device is not detected, only network data will be transmitted through the LAN cable to avoid from being damaged by incorrect power sending.

## Plug & Play, No Installation Required

Just plug Ethernet or PoE enabled devices into the switch. Data and power can be transmitted through existing standard Cat-5e Ethernet cables with no additional cables or configuration required. The GS-1008PL V2 reduces the difficulty, time and cost of network setup.

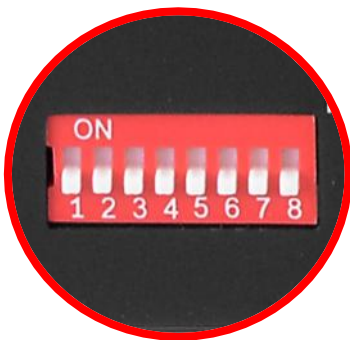
## Flexible Network Deployment & Energy Efficient

The GS-1008PL V2 PoE+ switch is a fast and effective solution when power outlets are unavailable for your network devices. The switch additionally supports IEEE 802.3az Energy Efficient Ethernet which allows for less power consumption and reduced costs during periods of low data activity.

## Fanless Quiet & Compact Design

A fanless design ensures quiet operation and enables an even more compact design, keeping valuable desk space free in home or small office environments.

## DIP SWITCH FUNCTION



DIP Switch	Description	Port
1	PoE Distance Extend	Port 1 & 2
2	PoE Distance Extend	Port 3 & 4
3	Port-based VLAN	Port 1~4
4	Quality of Service (QoS)	Port 1~8
5	PoE Distance Extend	Port 5
6	PoE Distance Extend	Port 6
7	PoE Distance Extend	Port 7
8	Port-based VLAN	Port 5~7

\*After changing DIP switch status, please unplug and replug the power.

## SPECIFICATIONS

HARDWARE	
Ports	8 x RJ-45 10/100/1000Base-T PoE+ ports
Transmission Method	Store and forward
LED Indicators	Power: Green LED LNK/ACT: Green LED (Port 1 – Port 8) PoE: Green LED (Port 1 – Port 8) PoE Alert: Green LED (PoE overload alarm)
DIP Switch	PoE Extend, VLAN, QoS
Power Input	100-240V AC, 50-60 Hz, internal power supply
Total Power Supply	80W
Mounting	Desktop / Rack-mount
Housing	Metal
Fan	Fanless
Dimensions	265(W) x 184(D) x 44(H) mm
Weight	1609g

PERFORMANCE	
Switching Capacity	16Gbps
MAC Address	4K
Buffer Memory	1.5Mb
Jumbo Frame	9K (Bytes)
Filtering/Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port – 148,800pps 10Mbps port – 14,880pps

POWER OVER ETHERNET	
Standard	IEEE 802.3af, IEEE 802.3at
Power Output	Up to 30W per port
Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	70W
Long Range	DIP switch ON to support PoE with long range to 200 meters at 10Mbps
Backfeed Protection	Built-in per port

OTHERS	
Standard	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE802.3ab 1000BASE-T IEEE 802.3af Power over Ethernet (PoE) IEEE 802.3at Power over Ethernet Plus (PoE+) IEEE 802.3x Full-duplex and flow control IEEE 802.3az Energy efficient Ethernet
Environmental Condition	Temperature: - Operating: 32~104°F (0~40°C) - Storage Temperature: -40~158°F (-40~70°C) Humidity: (Non-condensing) - Operating: 10~90% - Storage: 5~90%
Certification	CE, FCC, LVD

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.  
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