Long Range 5-Port Gigabit PoE+ Switch with 4 PoE+ Ports and DIP Switch

GS-1105PE

FEATURES

- **Gigabit High Speed PoE+**: Equipped with 5 Gigabit ports, including 4 PoE+ ports, IEEE 802.3af/at PoE compliant, supports up to 30W per PoE port (total power budget: 60W)
- **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-1105PE is a Long Range 5-Port Gigabit PoE+ Switch designed for using at home, or small and medium sized network environments. With 4 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 wall-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-1105PE 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-1105PE 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-1105PE features port-based VLAN where ports can be isolated from each other via DIP switch number 3. 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 number 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-1105PE. 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-1105PE 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-1105PE reduces the difficulty, time and cost of network setup.

Flexible Network Deployment & Energy Efficient

The GS-1105PE 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

Switching all DIP switches to "**ON**" enables Surveillance-mode

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 1~5

*After changing DIP switch status, please restart the GS-1105PE to enable the changes. The power switch is on the back panel of the switch.

SPECIFICATIONS

HARDWARE

Ports	• 4 x RJ45 10/100/1000Base-T PoE+ ports • 1 x RJ45 10/100/1000Base-T Port
LED Indicators	• PoE Max.: PoE Power Budget Alert • PWR: System Power Status • Link/Act: Connection and Transmission Status (1-5 Port Left LED) • PoE: PoE Status (1-4 Port Right LED)
DIP Switch	PoE Extend, VLAN, QoS
Power Input	External Power Supply (DC 55V/1.3A)
Total Power Supply	72W
Mounting	Desktop / Wall-mount
Housing	Metal
Fan	Fanless
Dimensions	121(W) x 75(D) x 26(H) mm (4.76 (W) x 2.95 (D) x 1.02 (H) inches)
Weight	240g (0.53lb)

PERFORMANCE

Switching Capacity / Backplane	10Gbps
Filtering/Forwarding Rates	Max. 7.44Mpps
MAC Address	2K
Jumbo Frame	9KB
Packet Buffer Memory	1Mb

POWER OVER ETHERNET

Standard	IEEE 802.3af (PoE), IEEE 802.3at (PoE+)
Power Output	Up to 30W per port
Pin Assignment	1/2(+), 3/6(-) End-Span (mode A)
PoE Power Budget	60W
Long Range	DIP switch ON to support PoE with long range to 200 meters at 10Mbps
Backfeed Protection	Built-in

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 802.1p Quality of Service (QoS) IEEE 802.1Q Virtual LANs (VLANs) IEEE 802.3az Energy Efficient Ethernet
Environmental Condition	Temperature: Operating: 0~40°C (32~104°F) Storage: -40~70°C (-40~158°F)	Humidity: Operating: 10~90% (Non-condensing) Storage: 5~90% (Non-condensing)
Certification	CE, FCC, LVD, BSMI