



10-Port Gigabit Long Range PoE+ Web Smart Switch With 1 SFP Port

GS-5210PLG

FEATURES

- 8 Gigabit Ethernet PoE+ ports, 1 RJ45 Gigabit uplink port and 1 Gigabit SFP uplink port
- IEEE 802.3af/at PoE/PoE+ compliant to simplify deployment and installation
- Supports PoE+ up to 30W per port (total power budget: 100W) for powering PoE-enabled devices
- Guaranteed PoE long distance to 200 meters
- Auto-detection of powered devices (PD) and power consumption levels
- Auto fault-detection on over/under current & voltage
- Power backfeed protection to avoid damaging PoE ports
- Supports 20 Gbps switching capacity, 14.88Mpps forwarding rate, 4K MAC address table and 9KB jumbo frame
- Supports QoS, 802.1Q VLAN, Port Trunking, Port Mirroring, IGMP Snooping v1/v2/v3, Broadcast Storm Control and more
- Rack-mount design, rack-mount kit included

OVERVIEW

The EDIMAX Pro GS-5210PLG is a web-smart switch with 8 Gigabit PoE+, 1 RJ45 Gigabit uplink port and 1 Gigabit SFP uplink port. Designed for medium to small network environments, its standard 19-inch 1U rack-mount brackets allow for integration with the most widely used mounting systems on the market. The EDIMAX GS-5210PLG is a superb choice to boost your network environment's performance and efficiency.

Tailored for IP cameras and far away network device applications, the EDIMAX specific long-range mode enables power and data transmission to 200 meters at a guaranteed speed of 10Mbps. The PoE also features auto-detection and power backfeed protection to efficiently provide power and avoid damaging the PoE ports at the same time. With smart features such as QoS, 802.1Q VLAN, Port Trunking, Port Mirroring, IGMP Snooping v1/v2/v3, the EDIMAX Pro GS-5210PLG Web Smart Switch provides a cost-effective, reliable, scalable and secure switch solution for SMB networks.

PoE Long Range Guaranteed 200 Meters

While general Ethernet switches have a distance restriction of 100 meters (328 ft.), the GS-5210PLG long-range mode provides extended power and data delivery distance to 200 meters (656 ft.) at 10Mbps full-duplex operation on a per-port basis. It's ideal for long-distance applications such as IP cameras, VoIP phones and PoE-enabled IoT devices at remote locations. It is an effective solution for network environments where power outlets are difficult to access, saving cost and time.

Safe PoE Power Backfeed Protection

The GS-5210PLG supplies up to 30W of electricity per port and has a total PoE power supply of 100W to power any 802.3at or 802.3af compliant PoE/PoE+ device. With the power backfeed protection, the GS-5210PLG can avoid damaging PoE ports by cutting out power delivery from the power source device.

Flexible RJ45 and Fiber Uplinks

Equipped with 1 RJ45 and 1 SFP fiber-optic uplinking capability, allows the switch to be flexibly deployed to an indoor short distance RJ45 port and outdoor long distance or a faraway location with an SFP port, such as branch offices, retail or remote workgroup environment for larger network connections.

Intuitive and Powerful Smart Tool

The GS-5210PLG is designed for small and medium business networks that require smart and simple network management. This web smart switch meets the network growing need by providing advanced essential features such as VLAN, Link Aggregation, Broadcast Storm Control, Loop Detection/Prevention, IGMP Snooping v1/v2/v3, QoS, Port Mirroring and more. Further optimizing the performance of business networks. Experience fast and easy operations with just a few simple clicks through the user-friendly web-based management utility, your network is ready to use.

SPECIFICATIONS

HARDWARE

Ports	8 x RJ45 PoE+1000Base-T Gigabit ports 1 x RJ45 1000Base-T Gigabit uplink port 1 x SFP uplink port
Buttons	Reset button
LED Indicators	Per Port: Link/Act PoE: Act/Status Per Unit: Power, PoE Alert
Power Input	100-240V AC, 50-60Hz, internal power supply
Total Power Budget	100W
Mounting	Desktop / Rack-mount (Rack-mount kit included)
Housing	Metal
Fan	Fanless
Dimensions	265 (W) x 184 (D) x 44 (H) mm 10.43 (W) x 7.24 (D) x 1.73 (H) in
Weight	1.62kg (3.57lb)

PERFORMANCE

Switching Capacity	20Gbps
MAC Address	4K
Jumbo Frame	9.2KB
Buffer Memory	1.5Mb
Transmission Method	Store and forward
Filtering/ Forwarding Rates	Max. 14.88Mpps 1000Mbps port - 1,488,000pps 100Mbps port - 148,800pps 10Mbps port - 14,880pps

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)
Management	PoE status, PoE on/off,
PoE Long Range	Guaranteed PoE Long Range to 200 Meters (656 ft.) at 10Mbps
Power Backfeed Protection	Built-in

SMART FEATURES

Quality of Service (QoS)	Port-based QoS IEEE802.1p QoS 4 Priority Queues Scheduling algorithm
VLAN	Up to 10 VLANs 802.1Q tag-based VLAN
Port Trunking	IEEE 802.3ad LACP
Port Mirroring	Port mirroring both on ingress and egress traffic
IGMP Snooping	IGMP v1/v2/v3 snooping Block unknown multicast traffic Multicast groups: 128
Security	Broadcast storm control
Management	User Interface: Web-based management User Account: Login account configuration Firmware Upgrade: Firmware upgrade by WEB Loop Detection/Prevention

OTHERS

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3x Full-duplex and Flow Control IEEE 802.3ad LACP IEEE 802.3az Energy Efficient Ethernet IEEE 802.1Q VLAN IEEE 802.1p Quality of Service (QoS) IEEE 802.3af Power Over Ethernet (PoE) IEEE 802.3at Power Over Ethernet Plus (PoE+)
Environmental Condition	Operating Temperature: 0~40°C (32~104°F) Storage Temperature: -40~70°C (-40~158°F) Operating Humidity: 10~90% (NonCondensing) Storage Humidity: 10~90% (NonCondensing)
Certifications	FCC, CE, BSMI