

GS-5208PLG

8-Port Gigabit PoE+ with 2 SFP Slots Web Smart Switch

The Edimax Pro GS-5208PLG is a web-smart switch with 8 Gigabit PoE+ and 2 Gigabit SFP slots. 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-5208PLG is a superb choice to boost your network environment's performance and efficiency.

IEEE 802.3at/af Power over Ethernet Standard

The GS-5208PLG features 8 IEEE 802.3at Power over Ethernet (PoE+) ports which supply up to 30W of electricity per port, and has a total power supply of 160 W to power any 802.3at or 802.3af compliant power device. With PoE detection capability, the GS-5208PLG is able to verify whether the connected device is IEEE 802.3at or 802.3af compliant. In the event that a PoE device is not detected, only network data will be transmitted through the LAN cable. The GS-5208PLG can be used with different PoE products such as access points, network cameras or VoIP devices and is an effective solution for network environments where power outlets are difficult to access.

PoE for Easy Installation and Better Cost Efficiency

Power over Ethernet technology enables the Ethernet cable to carry both data and power, reducing cable installation and eliminating the need for extension cords or electrical outlets on the walls and ceiling. Overall the GS-5208PLG can lower installation costs and simplify the deployment effort.

Power-Budget User Interface for PoE Device Management

The GS-5208PLG features an innovative power-budget UI (user interface) which allows IT managers to monitor the power consumption of each PoE port and the total power consumption of connected PoE devices. Monitor the entire PoE network and assess the total power usage before adding new PoE devices to the network architecture. The power-budget UI also features a remote on/off function for each PoE port, so manual plug/unplug isn't necessary when a PoE device hangs. Simply use the remote power button to quickly reset the device.

Smart Tools for Improved Network Efficiency

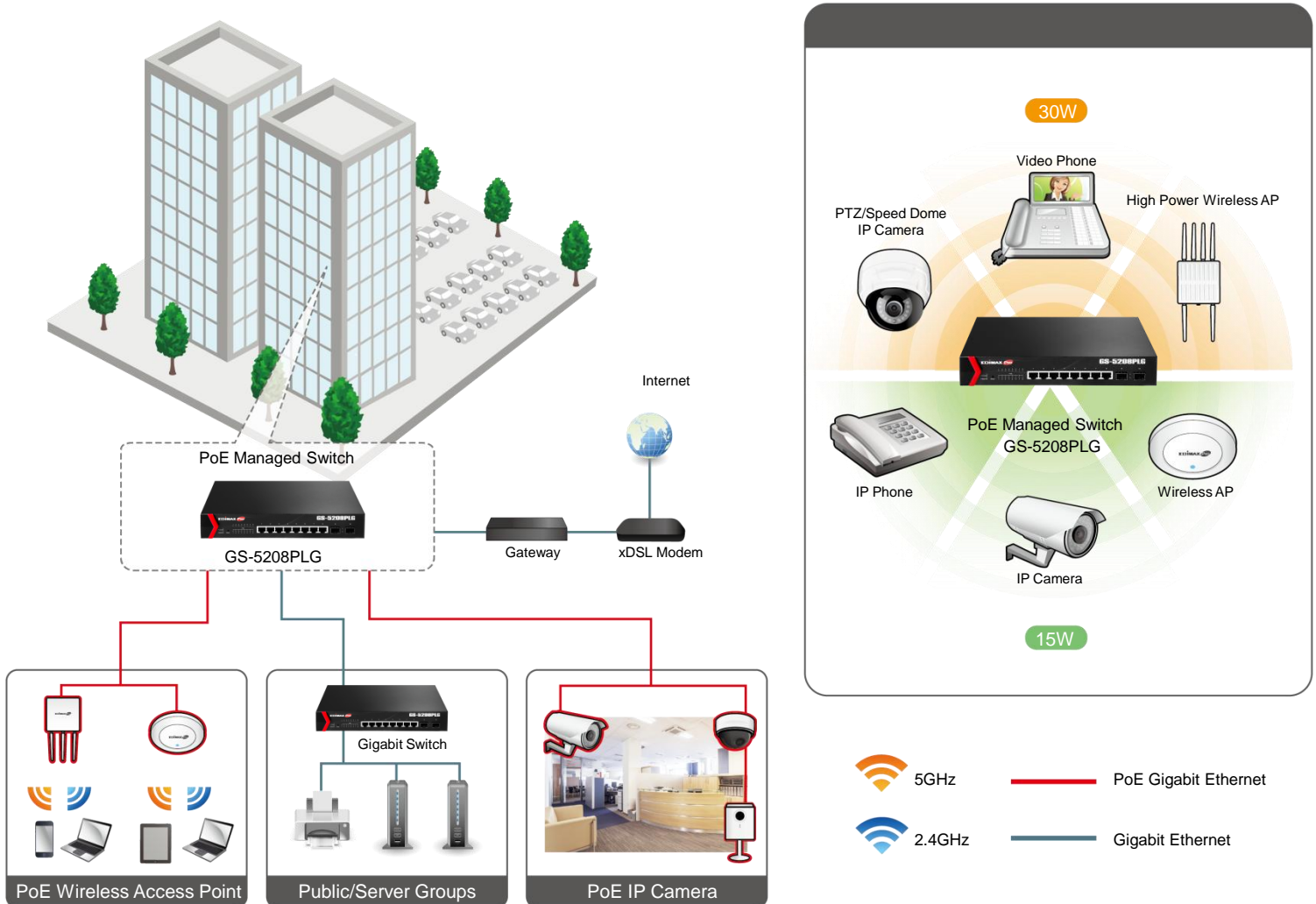
The GS-5208PLG features smart network monitoring tools that allow for improved network efficiency. Security and management features include bandwidth control and VLAN (IEEE 802.1Q VLAN tagging and port-based VLAN). Using its web-based interface, administrators can set up VLANs to segregate traffic and configure link aggregation settings to create fat traffic pipelines. Additionally, these features offer extra protection on the network edge and the password-protected configuration interface can be accessed remotely.

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KEY FEATURES

- IEEE 802.3af/at PoE compliant.
- Eight Gigabit Ethernet ports.
- Up to 30W per port (total power budget: 160W) for powering PoE-enabled devices.
- Auto-detection of powered devices (PD) and power consumption levels.
- Auto fault-detection on over/under current & voltage.
- Switch capacity:20Gbps & Forwarding rate:14.88Mpps.
- IEEE 802.1Q-based VLAN for network segmentation to improve performance and security.
- IEEE 802.1p QoS with 4 priority queues
- IGMP Snooping V1 / V2 / V3 support.
- 4K MAC address table and jumbo frame support up to 9KB.
- 19-inch 1U rack-mount brackets included.

APPLICATION DIAGRAM



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SPECIFICATIONS

Hardware	
Ports	8 Port RJ-45 10/100/1000Base-T PoE+ Ports 2 Port 1000Base-X SFP slots
Transmission Method	Store and Forward
Buttons	Reset Button
Led Indicators	Per Port: Link/Act PoE: Act / Status Per Unit: Power
Power Input	100-240V AC, 50-60 Hz, Internal power supply
Total Power Budget	160W
Dimensions(L x W x H)	265 x 184 x 44 mm
Weight	1.73kg
Performance	
Switching Capacity	20Gbps
Forwarding Rate	14.88Mpps
MAC Address	4K
Buffer Memory	192KB
Jumbo Frames	9.2KB
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(-) End-Span (mode A)
Available Power Budget	130W
Management	PoE output on/off management
Smart Features	
VLAN	Up to 8 VLANs and 4096 VLAN IDs 802.1Q tag-based VLAN, Port-based VLAN
Port Trunking	IEEE 802.3ad LACP Trunk up to 1 trunk groups
IGMP snooping	IGMP v1/v2/v3 snooping Block unknown multicast traffic Multicast groups: 20
QoS	Port-based QoS, IEEE802.1p QoS, 4 Priority Queues, scheduling algorithm
Management	User Interface: Web-based Management User Account: Login account configuration Firmware Upgrade: Firmware Upgrade by WEB Loop Detection/Prevention
Security	Broadcast Storm control
Environment	
Temperature	Operating: 0 ~ 40°C Storage: -40 ~ 70°C
Humidity (Non-condensing)	Operating: 10 ~ 90% Storage: 5 ~ 90%
Standards Compliance	
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 Link Aggregation Control Protocol (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+)
Certifications	FCC Class A, CE

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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