



GS-3005P

802.3at  
30W

10M/  
100M/  
1000M

PoE  
Distance  
200M

Backfeed  
Protection

VLAN  
QoS  
IGMP

Fan-  
Less

## Long Range 5-Port Gigabit Web Managed Switch with 4 PoE+ Ports

The Edimax Pro GS-3005P is a web-smart switch with 4 Gigabit PoE+ ports. Designed for small office and home office network environments, its desktop form-factor allows for integration in the most widely used SMB offices. With smart web management, PoE (Power over Ethernet) ports can be manually setup to extend PoE power delivery distance to up to 200 meters while also supporting smart control for VLAN (Virtual LAN), QoS (Quality of Service) and IGMP (Internet Group Management Protocol) snooping v1/v2 & v3. The PoE also features auto detection and power backfeed protection to efficiently provide power and, at the same time, avoid damaging the PoE ports. The Edimax GS-3005P is a superb choice to boost your network environment's performance and efficiency.

### 802.3at PoE with Auto Detection & Power Backfeed Protection

The GS-3005P features 4 IEEE 802.3at Power over Ethernet (PoE+) ports which supply up to 30W of electricity per port, and has a total power supply of 60W to power any 802.3at or 802.3af compliant power device. With PoE detection capability, the GS-3005P 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. Moreover, with the PoE power backfeed protection from the passive PoE injectors, the GS-3005P is able to avoid damaging the PoE ports.

### 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-3005P can lower installation costs and simplify deployment effort. The GS-3005P can be used with different PoE products such as access points, IP cameras or VoIP devices and is an effective solution for network environments where power outlets are difficult to access.

### Power and Data Distance Extension, Long Range up to 200 Meters

The GS-3005P provides extended PoE power delivery to distance up to 200 meters whereas a general PoE has Ethernet cable distance restrictions of 100 meters. For 200 meters power delivery distance, the unit operates on a per-port basis at 10Mbps duplex operation and supports up to 30-watt PoE power output. The specification creates flexibility in planning for installing PoE-enabled devices such as IP cameras, IP phones and access points.

### Smart Tools for Improved Network Efficiency and Security

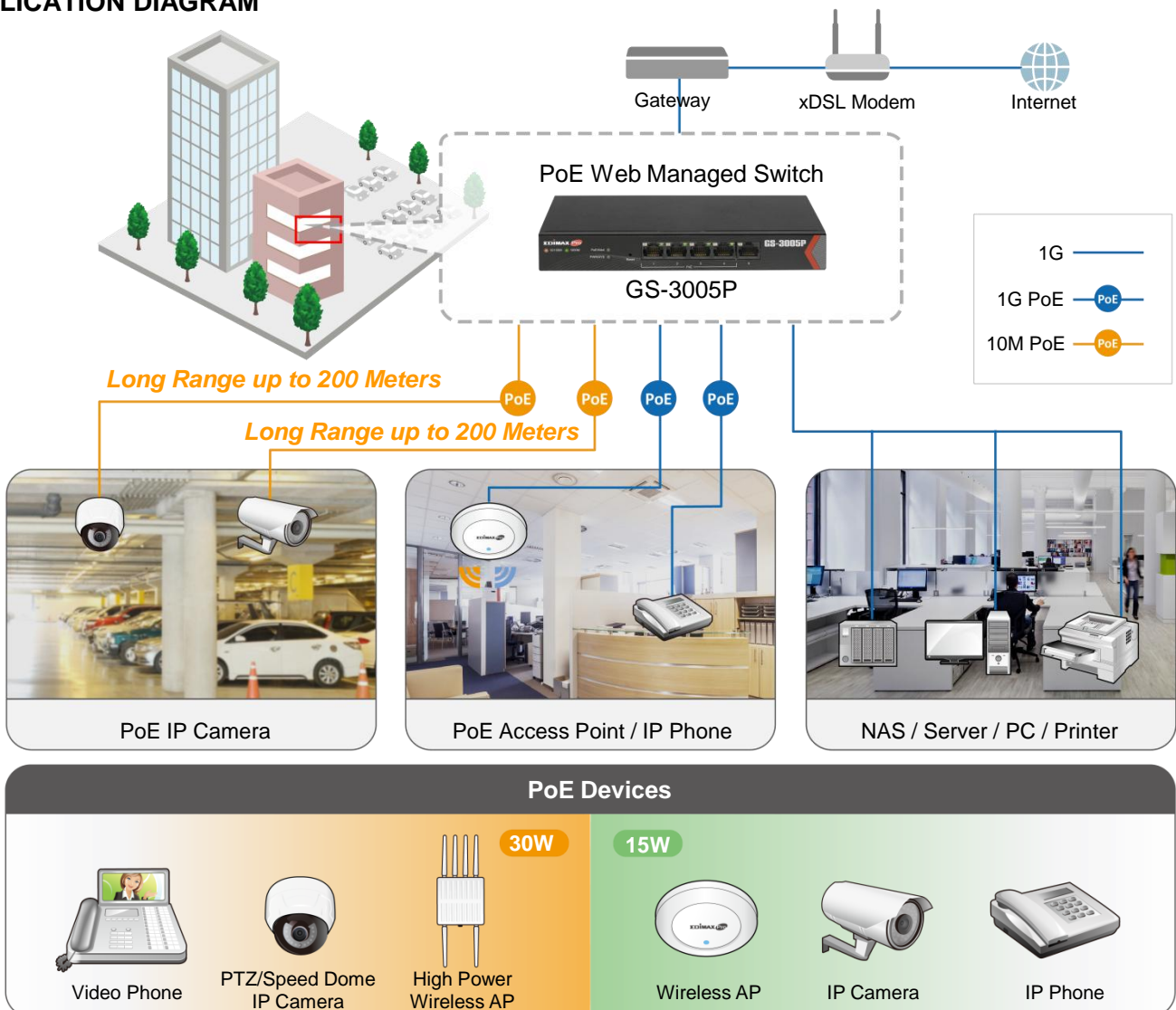
The GS-3005P features smart and simple network monitoring tools that allow for improved network efficiency and security. The web-based interface management features include QoS bandwidth control for better traffic management, VLAN for enhanced network security and multicast IGMP snooping v1/v2/v3 for streaming applications.

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## KEY FEATURES

- IEEE 802.3af/at PoE compliant.
- Five Gigabit Ethernet ports with four PoE+ ports
- Up to 30W per port (total power budget: 72W) for powering PoE-enabled devices.
- Long range PoE power delivery distance extending up to 200 meters.
- Power backfeed protection support to avoid damaging the PoE ports.
- Auto-detection of powered devices (PD) and power consumption levels.
- Auto fault-detection on over/under current & voltage.
- Access Control List (ACL) support.
- Switch capacity:10Gbps & Forwarding rate: 35.712Mpps.
- 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.
- Small desktop form-factor for small office and home office.

## APPLICATION DIAGRAM



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## SPECIFICATIONS

Hardware	
Ports	1 x RJ-45 10 / 100 / 1000Base-T Gigabit Ethernet Port 4 x RJ-45 10 / 100 / 1000Base-T Gigabit Ethernet PoE+ Ports
Transmission Method	Store and Forward
Button	Reset Button
Switch	Power ON / Off Switch
Led Indicators	Per Port: Link / Act PoE: Act / Status Per Unit: Power
Fan	Fanless
Power Input	100-240V AC, 50-60 Hz, External power supply 55V / 1.3A
Total Power Budget	72W
Dimensions (L x W x H)	193 x 84 x 26 mm
Weight	0.39kg
Performance	
Switching Capacity	10Gbps
Forwarding Rate	35.712Mpps
MAC Address	4K
Buffer Memory	128KB
Jumbo Frames	9KB
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	60W, Ports 1 - 4
Management	PoE output on / off management
Backfeed Protection	Built-in
Smart Features	
VLAN	Up to 8 VLANs and 4096 VLAN IDs 802.1Q tag-based VLAN
Port Trunking	IEEE 802.3ad LACP Trunk up to 1 trunk group
IGMP snooping	IGMP v1 / v2 / v3 snooping Block unknown multicast traffic Multicast groups: 128
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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