## LP-SGW1002FPi   10 port Gigabit Managed DIN Rail Industrial Switch with 8x10/100/1000Mbps PoE port plus 2 SFP fiber port

LPSGW1002FPi_SS_ENB01W

### Features

- 8 Port 10/100/1000Mbps RJ45, 2 port 1000Mbps SFP.
- Automatic MAC address learning and aging.
- Automatically support IGMP (Multicasting).
- 10/100/1000Mbps Auto-negotiation, auto-MDI-MDI-X.
- LED indicators for monitoring power/link/activity.
- Supports 10/100/1000Mbps-Full/Half-duplex.
- Supports Wall-mount and DIN-Rail installation for lightning protection.
- Supports Daisy-Chain connection.
- Supports Broadcast Storm Control.
- Supports Relay output for power failure.
- Supports QoS and ensuring the transmission of VoIP packets.
- Super lightening protection, IP40 protection.
- Excellent heat elimination without cooling fan.
- Redundant dual DC power inputs.
- Redundant Power Inputs.
- Apply to Urban Intelligent Traffic Monitoring System (ITS), Safe City.
- Harsh industrial environment or higher requirement.
- -40°C~+85°C operating temperature range.



### LP-SGW1002FPi
### 10 port Gigabit Managed DIN Rail Industrial Switch with 8x10/100/1000Mbps PoE port plus 2 SFP fiber port

Our rugged industrial switches are dependable and hardened network switch solutions designed for use in industrial environments such as factories, warehouses, refineries, and rolling stock. These hardened switches can be uniquely utilized for a wide range networking and surveillance applications, such as at an outdoor rail station, on the mountain of a vacation ski resort, or in high-traffic urban intersections.

## A  Technical Specification

| Interface | 8x 10/100/1000Base-T ports RJ45 + 2x gigabit SFP slots + 1 Console port |
|---|---|
| Network Protocols | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX; |
| Network Media | UTP or FTP CAT6 or CAT6A |
| Fiber Media | Multimode and Monomode. Upon SFP Specifications. Usually up to 80km |
| Performance | Bandwidth: 20Gbps |
| Forwarding Mode | Store and Forward |
| Protection | 6KV Lightening protection, IP40 protection |
| LED Indicators | Power: PWR; OPT/Link; PoE; Link/Act |
| Power Supply | Wide input voltage range: DC48~57V/Terminal block |
| **Layer 2 Switching** | |
| Spanning Tree | Standard Spanning Tree (STP) 802.1d |
| G.8032 ERPS | Rapid Spanning Tree (RSTP) 802.1w high reliable application |
| Aggregation | Link aggregation protocol (LACP) IEEE 802.3ad; |
| VLAN | Support up to 4K VLAN simultaneously (out of 4096 VLAN IDs); |
| IGMP v1/v2 | IGMP limits bandwidth-intensive multicast traffic to only the requesters |
| GMRP | Supports GARP multicast registration protocol |
| MAC | Locks MAC Addresses to port |
| QoS | Based on 802.1p (COS) Classification; Based on DSCP classification |
| MPLS | MPLS supports static LSP |
| LLDP | Supports LLDP link discovery protocol |
| System | User add/delete user; user login, operation, status, event log |
| **Security** | |
| Secure Shell (SSH) | SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported |
| Secure Sockets | SSL encrypts the http traffic, allowing advance secure access to the browser |
| Port Security | Locks MAC Addresses ports, and limit learned Mac addresses |
| DHCP Snooping | Support for up to 256 entries; Drop or rate limitation rated based on source |
| ACLs | Soporta hasta 256 entradas; Caída o limitación de velocidad clasificada según la fuente |
| IP Source Guard | Prevents datagram with spoofed addresses for being in the network |
| ARP Inspection | Prevent ARP spoofing attacks and ARP |
| Storm control | Prevents traffic on a LAN for being disrupted by a broadcast, multicast |
| **Management (Web/SSL, Telnet/SSH, ping, Trivial file transfer protocol (TFTP), SNMP, Syslog)** | |
| Web GUI interface | Built-in switch configuration utility for browser-based device configuration |
| Dual Image | Dual images provide independent primary and secondary OS files for backup |
| Firmware upgrade | Web Browser upgrade (HTTP/HTTPS) and TFTP; Upgrade through console port |
| Port mirroring | Traffic on a port can be mirrored to another port for analysis with a network |
| Other | Single IP management; HTTP/HTTPS; SSH; RADIUS; DHCP Client; SNTP cable |

| Other Specifications | |
|---|---|
| **Working** | Working temperature: -40 ~ +85°C ; Storage temperature: -40 ~ +85°C |
| **Industry** | FCC CFR47 Part 15, EN55022/CISPR22, Class A EMS; |
| **Shell** | IP40 Protect grade, metal shell |
| **Installation** | DIN Rail or Wall Mounts |
| **Packing List** | 1xIndustrial PoE Switch (plus terminal block) |
| **Certification** | CE mark, commercial; FCC Part 15 Class B; VCCI Class B |
| **MTBF** | 100.000 hours minimum |
| **Weight & Size** | Product weight: 0.85kg |

## B Dimensions
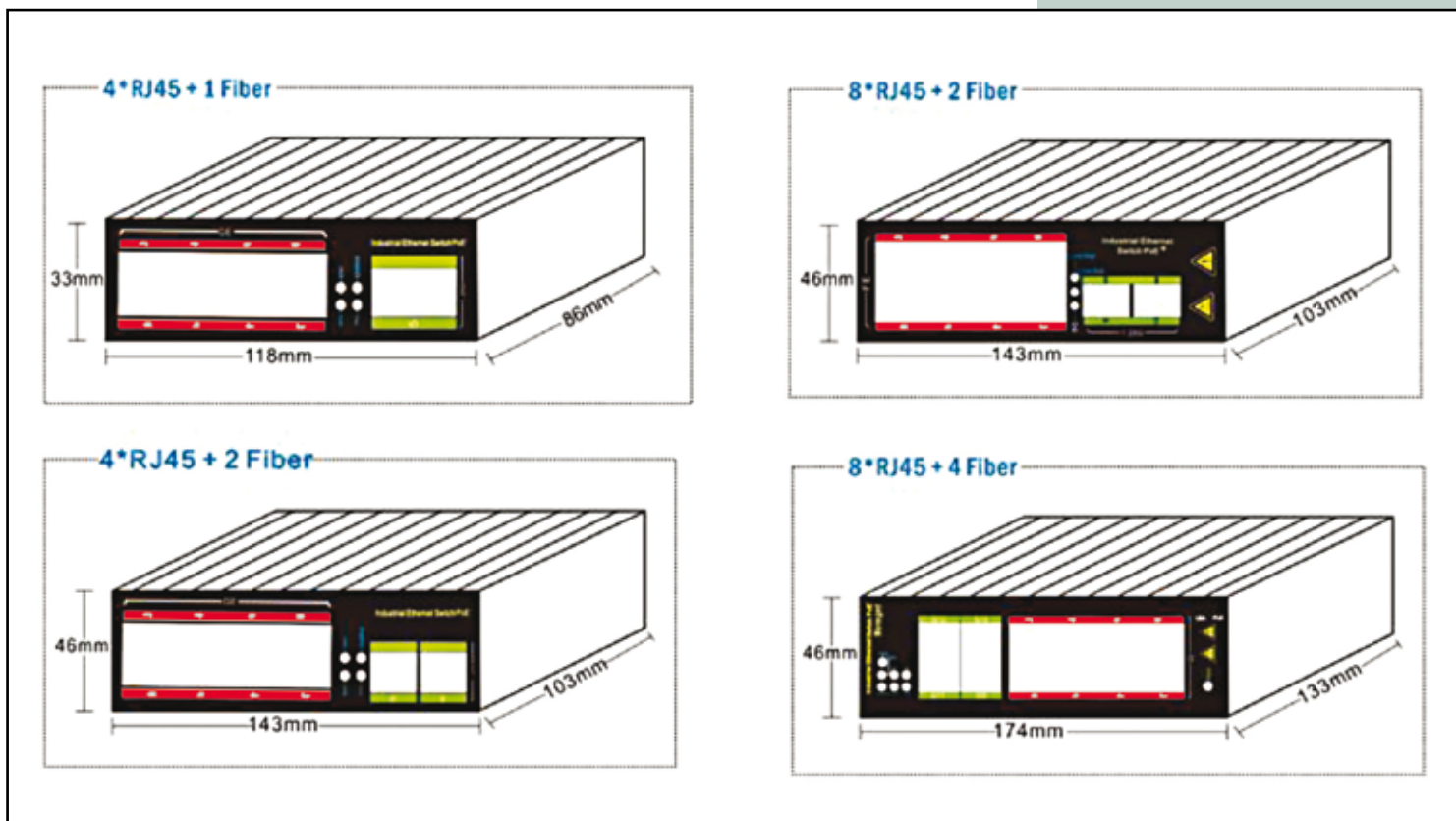
## **C** Installation Steps



## **D** How to order:

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*LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice*