LP-SGW10820XPi 10 port Gigabit Managed DIN Rail Industrial Switch with 8x10/100/1000Mbps PoE port plus 2X10G/1G SFP+/SFP fiber ports. Advanced L2 Management. Industrial Design

Features

- 8x10/100/1000Base-TX RJ45 PoE ports, 2x10G BASE-X SFP+/1000BASE-X SFP ports.

- Support Auto-MDIX, and full/half duplex self-negotiation mode.

- Provide SC/FC/ST/ LC interface fiber port, support single/dual fiber transmission.

- Support 16K bytes giant frame, compatible with various extension protocol.

- 16K MAC address table.

- Support IEEE802.3az energy efficient Ethernet technology.

- Support IPv6 Protocol.

- Electric 6KV surge protection, easy to use in outdoor environment.

- Complete status indicator, working state at a glance.

- Power input polarity protection design, no worry about wrong operation.

- Metal case, no fan design.

- Installation method: DIN trail /Wall mounting.

- Supports SFP modules 1Gbps/10G SM or MM.

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LP-SGW10820XPi is a new generation Power over Ethernet Managed Industrial switch with 8x10/100/1000Base-TX PoE ports and 2x10G SFP+/ 1.25G SFP ports, auto negotiation that provide stable and reliable Ethernet transmission, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

With dual power input design, LP-SGW10820XPi can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 75°C. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

A Specifications

Physical Port	
RJ45 port and speed	8x10/100/1000Base-TX
Fiber port and speed	2x10G BASE-X SFP+/1000BASE-X SFP ports

Parámetros	
Ethernet standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3Qad IEEE802.3ah IEEE802.1X IEEE802.1Q
Packet buffer	8Mbits
Maximum packet length	Up to 1532Bytes
MAC address table	16K
Transmission mode	Store and Forward (full/half duplex mode)
Exchange property	Delay time: < 7μs Backplane bandwidth: 32Gbps Packet forwarding rate: 148810 (64Byte)

PoE	
PoE standard	8x IEEE 802.3af /IEEE 802.3at PoE
Power budget	Max. PoE output power budget 30W
Total PoE Power	240W

LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle Speed light: 1000/100Mbps-always; 10Mbps-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle

Power Information	
Power access mode	Phoenix terminal
Redundant power input	DC 9-56V
Overload protection	Yes
Power reverse	Support
Power consumption	Full-load<15W

Physical Property	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	181mm x 146mm x 47mm (L x W x H)
Installation mode	DIN rail/wall-mountable
Weight	600g

Working Environment	
Operating Temperature	-40 ºC~75 ºC
Operating Humidity	5%~90% non-condensing
Storage	-40 ºC~85 ºC

Warranty	
MTBF	50.000 hours
Defects Liability Period	3-year warranty, lifetime technical support

Certification Standard	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1

Management features	
Software Features	STP, EAPS/ERPS
	Multicast: IGMP Snooping V1/V2/V3, GMRP
	VLAN: IEEE 802.1Q 4K VLAN, QINQ
	Link Aggregation: manual / static / LACP
	QoS: CoS, DSCP, 8 queues, WRR/SP/WFQ scheduling, QoS Policy
	Management Function: CLI/WEB/SNMP, and Prime stone NIS management system
	Diagnostic Maintenance: Port mirroring, Syslog, Ping
	Alarm management: 1 way relay alarm output, RMON, SNMP Trap
	Security DHCP Snooping, Option 82, 802.1X, User hierarchical management, ACL, DDOS, port-based MAC filtering / binding
	Data control: Port-based ingress/egress speed limit, Full duplex IEEE 802.3x, half duplex back-pressure flow control. Broadcast storm suppression, Unknown-Multicast suppression and Unknown-Unicast suppression.

B How to order

LP-SGW10820XPi - 10 port Gigabit Managed DIN Rail Industrial Switch with 8x10/100/1000Mbps PoE port plus 2X10G/1G SFP+/SFP fiber portS. Advanced L2 Management. Industrial Design.

LP-SGW10820XP - 10 port Gigabit Managed Switch with 8x10/100/1000Mbps PoE port plus 2X10G/1G SFP+/SFP fiber portS. Advanced L2 Management. (Destop version. Same features. One power supply for office Enviroment.)

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