LP-SG2401
24 Port 10/100/1000 Mbps GigaSpeed Switch.

Features

Standards

- IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE 802.1p, IEEE802.3x

Energy-Smart Technology

- Saving power up to 25%.
- Recyclable packaging material.

High Performance

- 24 10/100/1000 Mbps Autonegotiation Ethernet ports.
- IEEE 802.3x Flow control.
- Non-blocking switching architecture.
- 48 Gbps switching capacity.
- Filtering and packet transmission rates:
  10 Mbps: 14880 pps.
  100 Mbps: 148800 pps.
  1000 Mbps: 1488000 pps.
- Store and forward.
- Auto-MDI/MDIX.
- Autonegotiation.
- MAC Address auto-learning and auto-aging.
- 10KB Jumbo frame.
- Backplane: 48 Gbps.

Easy to use

- Plug and Play design.

LP-SG2401
24 Port 10/100/1000 Mbps GigaSpeed Switch.

LanPro "Energy-Smart" Technology

This new generation **LP-SG2401** Gigabit switch, specially designed for Ethernet (10 Mbps), Fast Ethernet (100 Mbps) and Gigabit Ethernet (1000 Mbps) features the latest innovative energy-efficient technologies that can greatly expand your network capacity with much less power. It automatically adjusts power consumption according to the link status and cable length to limit the carbon footprint of your network. 80% Of the packaging material can be recycled. It also complies with the EU RoHS, which prohibits the use of certain hazardous materials.

High Performance

All 24 ports are Gigabit RJ45 ports which can provide large data transfers and also is compatible with 10 Mbps and 100 Mbps Ethernet devices. Featuring non-blocking switching architecture, the **LP-SG2401** forwards and filters packets at full wire-speed for maximum throughput. With 10K/10K/10K Jumbo frames the performance of large files transfers is improved significantly. And IEEE 802.3x flow control for Full Duplex mode and backpressure for Half Duplex mode alleviate the traffic congestion and make **LP-SG2401** work reliably. It´s a perfect choice for updating your network to Gigabit while properly protecting your previous investment.

Easy to Use

The auto features of this Gigabit switch make installation plug and play and hassle free. No configuration is required. Auto MDI/MDIX eliminates the need for crossover cables. Auto-negotiation on each port senses the link speed of a network device (10,100, or 1000 Mbps) and intelligently adjusts for compatibility and optimal performance.

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A   Technical Specifications

General	
Standards	IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE 802.1p, IEEE802.3x
Topology	Star
Protocol	CSMA/CD
Systems	Windows 2000/XP/Vista/7 / Linux/MAC OS
Switch Capacity	48 Gbps
Jumbo Frame	10 KB
Dimensions	440*180*44mm
Power Saving	Up to 25%
Data Transfer Rate	Ethernet: 10Mbps (Half Duplex) 20Mbps (FullDuplex)
	Fast Ethernet: 100Mbps (Half Duplex) 200Mbps (Full Duplex)
	Gigabit Ethernet: 2000Mbps (Full Duplex)
Network Media	10BASE-T UTP category 3, 4, 5 cable (maximum 100m)
	10BASE-T EIA/TIA-568 100Ω STP (maximum 100m)
	100BASE-TX UTP category 5, 5e cable (maximum 100m)
	100BASE-TX EIA/TIA-568 100Ω STP (maximum 100m)
	1000BASE-T UTP category 5e, 6 cable (maximum 100m)
	1000BASE-T EIA/TIA-568 100Ω STP (maximum 100m)
Number of Ports	24 10/100/1000Mbps Auto-Negotiation RJ45 ports
Safety & Emissions	FCC, CE
LED indicators	Power, Link/Act, 1000Mbps
Transfer Method	Store-and-Forward
MAC Address Learning	Automatically learning, automatically aging
Frame Filter Rate	10BASE-T: 14880pps/Port
	100BASE-Tx: 148800pps/Port
	1000BASE-T:1488000pps/Port
Frame Forward Rate	10BASE-T: 14880pps/Port
	100BASE-Tx: 148800pps/Port
	1000BASE-T:1488000pps/Port
Environmental and Physical	
OperatingTemperature	0°C ~40°C
Storage Temperature	-40°C ~70°C
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~90% non-condensing

B   How to Order

LP-SG2401   24-Port 10/100/1000 Mbps GigaSpeed Switch.

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