Simaran

Product Specification Manual

Product Name：SM-LC162P-SF

Product Overview:

This is a high-performance, low-power 16+2+1 optical port 10/100/1000Mbps Gigabit Ethernet switch, which is the primary choice for small and medium-sized LANs. It provides 16 10/100/1000Mbps ports, plus 2 UP LINK/1000Mbps ports and 1 1000Mbps optical port, which can be used to connect upstream devices with higher bandwidth. Adopting storage and forwarding technology, combined with dynamic memory allocation, ensures effective bandwidth allocation to each port. Supports intelligent configurations such as port based VLAN and Tag based VLAN, port aggregation, bandwidth control, port mirroring, priority, static MAC address table, port security, etc. The full line speed 1000 Mbps backbone 1000 Mbps network connects to your workgroup or server, making it convenient for you to plug and play. This flexible and non blocking architecture allows users to use it without being limited by bandwidth and media networks. The 16+2+1 optical port 10/100/1000Mbps 1000Mbps switch supports half duplex flow control and full duplex backpressure mode. Each switch port supports adaptive function, and the port adopts storage and forwarding mode, which can effectively isolate broadcast storms, reduce packet errors and errors, avoid network congestion and network conflicts. The product has superior performance, simple use, convenience and intuition, and provides an ideal networking solution for workgroup users and intelligent community broadband access.

Application:
   This switch is widely used in small local area networks, small and medium enterprise LANs.

Product features:

◆ Complies with IEEE 802.1Q , IEEE 802.1x, IEEE 802.3u, and IEEE 802.3ad

standards

◆ 16 10/100/1000Mbps and 2 1000M adaptive RJ45, supporting automatic flip (Auto MDI/MDIX) and 1 1000Mbps fiber interface

◆ Support for 4K MAC addresses

◆ Support EEPROM configuration

◆ Support IEEE802.3 AF/AT mode

◆ Support switch speed limit function

◆ All ports support 2KV lightning protection

◆ Support for stacking and QoS

◆ Line speed forwarding, intelligent recognition

◆ The uplink port can be both optical and electrical

◆ All ports support IEEE 802.3x half duplex flow control and full duplex backpressure mode

◆ Non blocking switching architecture, full line speed forwarding and maximum throughput filtering of data packets

◆ Support MAC address learning, automatically adjust transmission methods and rates;

◆ LED indicating power supply, link and activity, providing simple working status prompts and troubleshooting;

◆ Built in application power supply

◆ Standard hardware shell design

Specifications:

Chip solution	RTL8367S*4+2*IP808AR
Standards / Protocols	IEEE 802.1Q , IEEE 802.1x,IEEE 802.3ad,IEEE 802.3af/at
Topological structure	star-shaped
Network media	10BASE-T: Unshielded category 3, category 4, category 5 twisted pair (maximum 100m) 100BASE-TX/100BASE-T: Unshielded category 5, over category 5 twisted pair (maximum 100m) SFP 1000BASE-X:MMF SMF
Ethernet Port	16*10/100/1000M RJ45 PoE ports（Auto Negotiation/Auto MDI/MDIX) 2*10/100/1000M UP-LINK ports（Auto Negotiation/Auto MDI/MDIX)

	1*1000Mbps fiber optic interface
concatenation	**All ports can be used as UP-LINK ports**
Forwarding method	**Store and forward**
MAC address storage	**2K**
Exchange capacity	**38Gbps**
forwarding rate	**28.272Mbits**
Cache	**1.5M bit**
Jumbo frame	**9216 bytes**
Indicat or light	**each**	**Power.System (Power:Red light) When the load is connected, the indicator status is steady light**
	Per port	**Link/Activity (Link/Act:Green light) When the signal is connected, the status of the indicator light is blinking**
power supply	**AC:100-240V 50/60Hz Built-inDC:52V, 300W 1 set**
Power supply pin	**1/2 (+) , 3/6 (-)** (POE port only)
POE Port output power	**Single port output maximum 30W, Total power 192W**
Speed limit function	**Support POE speed limit of 10M/100M (POE transmission distance can reach 250 meters when the speed limit is 10M)**
Static power	**MAX: 2.628W (220V/50Hz)**
Use environment	**Working temperature: -10 ℃ ~ 70 ℃ (32 ℉ ~ 127 ℉)** **Storage temperature: -40 ℃ ~ 85 ℃ (-97 ℉ ~ 142 ℉)** **Working humidity: 10% ~ 90% non-condensing** **Storage humidity: 5% ~ 95% non-condensing**
Shell material	**metal**
Dimensions （L×W×H)	**290mm×200mm×44mm**
operating system	**Support Windows / MAC OS / Netware / Linux operating system**

Note: The "each" and "Per port" rows are sub-rows under the "Indicator light" label, which spans a middle column.

Customized	OEM/ODM

Postscript

This product is a universal POE switch for network cameras. It has small size, high efficiency and stable operation.

Features such as long transmission distance. With overload protection, output short circuit protection and other functions.