

Simaran

Product Specification Manual

Product Name: [SM-LB82P](#)



Product Overview:

This is a high-performance, low-power 8+2 port 100+1000Mbps Ethernet switch, which is the primary choice for small and medium-sized local area networks. It provides 8* 10/100Mbps ports, plus 2*1000Mbps/UP LINK Ports, which can be used to connect upstream devices with higher bandwidth. Using store-and-forward technology, combined with dynamic memory allocation, ensures that bandwidth is effectively allocated to each port. Support port-based VLAN and tag-based VLAN, port aggregation, bandwidth control, port mirroring, priority, static MAC address table, port security and other intelligent configuration. The full line speed 1000M backbone 1000M network is connected to your workgroup or server, which is convenient for you to plug and play. This flexible non-blocking architecture allows users to use without being limited by bandwidth and media network. The 8+2 port 10/100+1000Mbps switch supports half-duplex flow control and full-duplex backpressure mode. Each switch port supports adaptive function. The port uses a store-and-forward mode, which can effectively isolate broadcast storms, reduce error packets and Wrong packets, to avoid network congestion and network conflicts, product performance is superior, simple to use, convenient and intuitive, provides an ideal networking solution for broadband access for workgroup users and smart communities.

Application:

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

Product features:

- ◆ Support IEEE 802.3, IEEE 802.3u, and IEEE 802.3ab standards
- ◆ Supports 9216-byte jumbo packet length forwarding at wire speed
- ◆ Supports 96-entry ACL Rules
- ◆ 8 *10/100Mbps ports and 2 1000Mbps adaptive RJ45 ports, which support auto-flip(Auto-MDI/MDIX)
- ◆ Supports 4K MAC address
- ◆ Supports 32K-byte EEPROM configuration
- ◆ Supports IEEE802.3 af / at
- ◆ Supports IVL, SVL, and IVL/SVL
- ◆ Supports 4K VLANs and 32 Extra Enhanced VLANs
- ◆ Supports IEEE 802.1x Access Control Protocol
- ◆ Supports IEEE 802.3az EEE(Energy-Efficient Ethernet)
- ◆ Support 25M clock, RFC MIB Counter

Specifications:

Chip solution	RTL8309+RTL8367S+DH2184
Standards / Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab,, IEEE 802.3z,, IEEE 802.3x
Topological structure	star-shaped
Network media	10BASE-T: Unshielded category 3, category 4, category 5 twisted pair (maximum 100m) 1000BASE-TX/1000BASE-T: Unshielded category 5, over category 5 twisted pair (maximum 100m)
Ethernet Port	8*10/100M RJ45 PoE ports (Auto Negotiation/Auto MDI/MDIX) 2*10/100/1000M UP-LINK ports (Auto Negotiation/Auto MDI/MDIX)
concatenation	All ports can be used as UP-LINK ports
Forwarding method	Store and forward
MAC address storage	4K
Exchange capacity	16Gbps
forwarding rate	14.88Mbits

Cache	10Mbps:14880pps;100Mbps:148800pps;1000Mbps:1488000pps	
Jumbo frame	9216 bytes	
Indicator or light	each	Power.System (Power:Yellow 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, 120W	
Power supply pin	1/2 (+) , 3/6 (-) (POE port only)	
POE Port output power	Single port output maximum 30W,Total power 96W	
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: 6.9W (220V/50Hz)	
Use environment	Working temperature: -10 °C ~ 70 °C (32 °F ~ 127 °F) Storage temperature: -40 °C ~ 85 °C (-97 °F ~ 142 °F) Working humidity: 10% ~ 90% non-condensing Storage humidity: 5% ~ 95% non-condensing	
Shell material	metal	
Dimensions (L × W × H)	148×279×44mm	
operating system	Support Windows / MAC OS / Netware / Linux operating system	
Customized service	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.