Simaran

Product Specification Manual

Product Name：SM-LB244P

Product Overview:

This is a high-performance, low-power 24+4 port 100+1000Mbps Ethernet switch, which is the primary choice for small and medium-sized LANs. It provides 24 10/100Mbps ports, plus 4 UP LINK/1000Mbps ports, 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 100 Mbps backbone 100 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 24+4 port 100+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 802.3, IEEE 802.3u, and IEEE 802.3ab standards

◆ 24* 10/100Mbps and 4 1000M adaptive RJ45, supporting automatic flipping (Auto MDI/MDIX)

◆ Support for 8K 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

Multiple uplink 1000M electrical ports provide users with diverse choices

◆ 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 power, providing simple working status prompts and troubleshooting;

◆ Built in application power supply

◆ Standard hardware shell design

Specifications:

Chip solution	**RTL8370N+4*RTL8309++6*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)** **100BASE-TX/100BASE-T: Unshielded category 5, over category 5 twisted pair (maximum 100m)**
Ethernet Port	**24*10/100M RJ45 ports (Auto Negotiation/Auto MDI/MDIX)** **4*10/100/1000M BASE-T ports (Auto Negotiation/Auto MDI/MDIX)**
concatenation	**All ports can be used as UP-LINK ports**
Forwarding method	**Store and forward**
MAC address storage	**4096**

Exchange capacity	16Gbps	
forwarding rate	14.88Mbits	
Cache	2M bit	
Jumbo frame	9216 bytes	
Indicator 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，150W * 3 sets	
Power supply pin	1/2 (+) , 3/6 (-) (POE port only)	
POE Port output power	Single port output maximum 30W，Total power 288W	
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：10W (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)	440mm×200mm×45mm	
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.