

# 24SFP/8GE Bakir +4x10GE SFP L3 Omurga Switch

**SC-530024T4M-8M**



SC-530024T4M-8M is a L3 switch independently developed by our company , It has 4\*1000/10000Base-X SFP+, 24\*100/1000M SFP optical port, 8 multiplexed electric port, Provide flexible gigabit Ethernet ports and high-performance 10G uplink optical ports, supporting various business functions such as routing, multicast, VLAN, QoS, etc. And with a comprehensive security control strategy and network protection mechanism, it can be used as an aggregation layer switch and is an ideal choice for various commercial network applications. Well developed multicast protocol, supporting IGMP Snooping/MLD Snooping , Meet the demand for high-definition video surveillance and video conferencing across multiple terminals. And it holds functions such as routing, DHCP Server, QoS, ACL, etc., to meet the network building needs of households, enterprises, hotels, etc.

Adopting a store and forward mode, automatically learning and updating MAC addresses, comprehensively improving the transmission and switching performance of the network. Capable of adapting to the network environment on its own, easy installation and debugging, high-quality metal casing, super strong heat dissipation, greatly extending its service life. Plug and play fast switching, all ports have line speed forwarding and MDI/MDIX automatic flipping function.

This product is compatible with all mainstream cameras in the market and widely used in enterprise network convergence layers. It is compatible with computers, printers, network cameras, wireless APs, and can be extended to multimedia transmission systems, wireless network transmission, industry broadband specialized networks, etc; And it is suitable for data transmission fields such as enterprises, security, transportation, power and electricity, mining industry, water and oil, small enterprises, bars, hotels, and schools, with a wide range of scenarios.

## Product Features

- Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z standards
- Each port supports full-duplex 802.3x flow control and half-duplex backpressure flow control
- 4\*10Gigabit optical+24 optical port+8 multiplexed electric port, Auto MDIMDIX
- All ports support half/full duplex mode automatic adaptation
- Support port mirroring, support STMP protocol
- Support for MAC filtering, MAC address binding, 802.1X authentication
- Storage-forwarding switching mode
- Flow control switch, turn on or off flow control function
- Supporting MAC Address Self-learning
- 0 ~ 55°C operating temperature range
- AC 220 power supply, flexible input
- Dynamic LED indicator showing device operating status and providing simple troubleshooting

### Strong compatibility

- ❖ 4\*10Gigabit optical+24 optical port+8 multiplexed electric port, Auto MDIMDIX,It can integrate 10 Mbps, 100 Mbps, 1000 Mbps and 10000 Mbps network devices in the same network perfectly.

### Excellent performance

- ❖ 10Gigabit ports can automatically adapt to full-duplex or half-duplex mode.Can achieve a bidirectional transfer rate of up to 20000Mbps per port , Increase bandwidth and reduce access latency for connections between clients, truly meeting the needs of sharing high-bandwidth multimedia files, videos or other high-speed applications on the network;
- ❖ MAC address self-learning function to ensure data-free transmission;
- ❖ Store-and-forward switching mode to prevent damaged packets from spreading across the network;
- ❖ The flow control function can prevent the impact of instantaneous large amount of data on the network and ensure the efficient and stable operation of your network.

### Plug and play

- ❖ The product is a management switch, and it can work normally without any configuration when it is used;  
Each port supports Auto-MDI/MDIX auto-flip function, so you no longer have to worry about cable type.

### Convenient maintenance

- ❖ The LED indicator lamp on the front panel of the switch can dynamically display the connection and operation status of the equipment, and provide a simple fault detection method for easy maintenance.

## Technical Specifications

Specifications	Parameter
switching capacity	128Gbps
Packet forwarding rate	132Mpps
Processor	Dual-Core ARM Cortex A9 processor
Memory	1016 MHz 1 GB DDR3 SD RAM memory
MAC table entry	8K
Buffer value	4M
Jitter delay	9.62ns
Size	440mm × 265mm × 45mm
weight	4.7kg
working temperature	0~55°C
Storage temperature	-10~70°C
Working humidity	10%~90% no condensation
Storage humidity	5%~95% no condensation
VLAN	Maximum support for 4096 VLANs
	Support port-based VLAN
	VLAN Supporting 802.1Q Standard
spanning tree	Support RSTP Fast Spanning Tree Protocol
Ring network	Supporting Fast Loop Networks
Erps	support
Route	Static Route, OSPF
Port aggregation	Support static aggregation
Port mirroring	Support multi-to-one port mirroring without restriction on the number of mirror source ports
Loop Guard	Supporting Loop Detection/Loop Avoidance
Port flow control	Supporting half-duplex control based on backpressure
line rate	Support port-based input/output bandwidth management
IGMP Snooping	Support IGMP Snooping
DHCP	Support DHCP Client
Storm suppression	Supporting suppression of broadcasting, multicast, unicast, etc
Negotiation mode	Support port auto-negotiation (self-negotiation transmission rate and duplex mode)
system maintenance	Supporting profile upload/download
	Support upgrade package upload
	Support WEB to restore factory configuration
	Support System Logging Function
Network management	Support WEB interface management, CONSOLE, Telnet