

## **MSG9424P: 10g ethernet switch 3 layer management ethernet switch static route switch 24+4 SFP+**

MSG9424P is an industrial 3 layer network management switch, with 24 gigabit ports and 4 10 gigabit SFP optical ports, support 3 layer static routing. The switch has a total switching capacity of 128Gbps and can handle a large number of forwards. The switch is capable of working at -40°C-75°C without data loss.

- Main ports: 24\*10/100/1000base-t RJ45 ports, 4\*1000/10g upper SFP ports;
- Support 3 layers of network management, support 3 layers of static routing;
- Redundant power supply: 1 way AC power input +2 sets of DC power input (optional);
- Alarm function: 2 sets of data input, 2 sets of data output;
- Support fast loop network, self-healing time minimum 50ms.
- Support industrial level 4 protection (electrostatic, lightning protection, rapid pulse group, etc.);
- -40°C-75°C operating temperature, intelligent fan, no noise;
- Support 19 inch rack mount design.



### **Redundant power supply: supports AC and DC power input**

Support 1 way 100 ~ 240V AC power input and 2 way DC 36 ~ 60V power input (optional).

## Data input and output of alarm system

There are two sets of data output, which can be set to alarm the output of switch power loss, port loss and port POE loss. There are two sets of data input, which can be used to detect the alarm signals of external alarms such as infrared detectors. Data inputs and outputs can be set on the web administration page.

## Excellent protection ability, able to adapt to harsh environment

- Operating temperature: -40°C-75°C;
- Lightning protection: Level 4 (6KV) iec 61000-4-5
- Electrostatic protection: Level 4(8KV contact discharge /15KV air discharge) IEC 61000-4-2

## Hardware Specifications

Item	Detail
Ethernet port	24*10/100/1000 Base-T RJ45
Optical port	4*10G Base-X SFP+
control port	1*RJ45-R232 serial port(115200,8,N,1)
OOB port	1*10/100 Base-TX RJ45(only to web management) Default IP:192.168.1.200 name:admin password:admin
Init key	Short press restart > 5s press recovery to default
Power-AC	1*AC 100~240V 50/ 60Hz
Power-DC	2*DC DC36~60V
Power consumption	30W
Data (alarm) input and output	2* digital input for external alarm 2* digital output for the switch power failure ,cable link down&PoE link off; Signal type: normal-open or normal-closed From relay
Standard	IEEE802.3,IEEE802.3u,IEEE802.3ab,IEEE802.3Z, IEEE802.3X,IEEE802.1Q,IEEE802.1p, IEEE802.3ad,IEEE802.1D,IEEE802.1X
Exchange capacity	128Gbps/ non-blocking
Package conversion rate	<a href="#">95.2Mpps@64</a> bytes

Exchange mode	Store-and-Forward
Package data cache	12Mbit
MAC address list	16k
Rectangular layout	12k bytes
EMI	FCC part 15, CISPR(EN55022) classA
EMS	Surge level-4 execute : IEC61000-4-5 ESD level-4 execute : IEC61000-4-2 RS level-4 execute : IEC61000-4-3 EFT level-4 execute : IEC61000-4-4 CS level-3 execute : IEC61000-4-6 M/S level-5 execute: IEC61000-4-8
Operating temperature	-40-75°C
Storage Temperature	-40-85°C
Size (L×W×H)	442mm×320mm×44mm
Weight	45kg
Identification	CE ,FCC,ROHS

## Software specifications

- Support 802.1p COS/DSCP/TOS priority
- Support IGMP Snooping
- Support MLD-snooping
- Multicast VLAN Registration(MVR)
- Supports IP , MAC, port, VLAN binding combinations
- Support IPV4 static route setup
- Support static ARP Add,delete,burn-in time sutup/check
- Support group-broadcasting PIM,IGMPV1/V2/V3, MLD(IPV4)
- Support DHCP client
- Support relay reperter , DHCP snooping
- Support duplex tranfer check mechanism

## Order Information

Product Description	Order Code
24+4 10G L3 management Ethernet switch	MSG9424P
48+4 10G L3 management Ethernet switch	MSG9448P