MSG8448

48 BaseTX 4 SFP

L2 Management Ethernet Switch

Product Highlight :
- Flexible Port Configuration :
   48 GE with 4 GE/SFP Combo
- Support L2 Management
- Standard 19" 1U rack mount design
- Support CLI and Web Management
- Add-on Features :
   POE/PSE, Fan Control, GPIO
- Tailor-made or Turnkey solution available

Our MSG8448 is an industrial Layer 2 network management switch, with maximium of 48 gigiabit Ethernet ports and 4 optical port SFP or gigabit Ethernet combo. It supports Layer 2 static routing. The total switching capacity is as higher as 104Gbps, can handle a large number of data forwarding.

High Density Design

The use of Realtek RTL8393M gigabit Ethernet switch chipset allows higher integration and more flexible port configuration design. It supports total 52 ports in a 19" 1U rack mount design.

User Friendly Web Management and CLI

The MSG8448 provides an user friendly web management system. The L2 management features can be easy accessed and configured through an Ethernet port. There is also a local RS-232 interface, allows the CLI to configure the system.

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

The use of industrial grade chipset and components allow the device working at temperature -40℃ to 75℃ without data loss. Lightning protection and electrostatic protection designs to meet the EMI and EMS international standards.

Hardware Specifications

Item	Detail
Ethernet Port	48 x 1000 Base-T RJ45
Optical Port	4 x SFP (can be modified to 4 x 1000 Base-T RJ45 or combo)
Control Port	1 x RJ45-R232 Serial Port (115200,8,N,1)
OOB Port	1 x 10/100 Base-TX RJ45 (only to web management)
Init Key	Press to Restart Press and Hold >5s to Default Recovery
Power	AC 100~240V 50/60Hz
Power Consumption	30W

Data (Alarm)
Input / Output
	2 x Digital Input for exteral alarm
	2 x 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	104Gbps / non-blocking
Package Conversion Rate	77.3Mpps@64bytes
Exchange Mode	Store-and-Forward
Package Data Cache	12Mbit
MAC Address List	16k
Rectangular Layout	12k bytes
EMI	FCC Part 15, CISPR(EN55022) Class A
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℃
Storage Temperature	-40-85℃
Size（L×W×H）	440mm × 229mm × 45mm
Weight	4.5kg
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-brocasting PIM,IGMPV1/V2/V3, MLD(IPV4)
- Support DHCP client
- Support relay reperter , DHCP snooping
- Support duplex trandfer check mechanism

Product Dimensions

Production Packaging

Item	Detail
Switch	1 pcs
Suspension Loop	2 pcs
AC Power Line	1 pcs
Package Size	520*320*125mm

Order Information

Product Description	Order Code
48 + 4 SFP L2 management Ethernet switch	MSG8448
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