

MISCOM6208 series

8-Port 10/100M Layer 2 Managed Din-Rail Industrial Ethernet Switch

Product description

MISCOM6208 series supports 8 optional 100M photoelectric interfaces, adopts a store and forward mechanism, has a powerful bandwidth processing capability, supports line-speed forwarding. The product selects industrial-grade components, with high-standard system design and production control, rail-type aluminum alloy shell, fan-less high-efficiency heat dissipation, wide temperature operation from -40°C to 85°C, which can meet harsh working environment and realize stable communication performance.

MISCOM6208 series can be managed through Web management or SNMP, while providing MW -Ring, virtual local area network, Trunk, Quality of Service, IGMP Snooping, rate control, port mirroring, static MAC address forwarding, diagnostic functions, Email/Relay , and a series of advanced management functions such as fault alarm and firmware online upgrade.



Features:

- 8x100M Ethernet interfaces
- 10Base-T/100Base-TX adaptive, full/half duplex,
- support automatic MDI/MDI-X connection
- The patented technology of rapid ring network redundancy (MW-Ring) of less than 20ms enhances
- Support industrial grade with isolated power supply, and provide redundant dual power input to meet the requirements of high availability
- 40°C~85°C working temperature meets the application requirements of harsh industrial Environment
- Link redundancy self-recovery technology based on MW-ring technology, self-healing time is less than 20ms
- Trunk port aggregation
- Implement broadcast storm detection control (including storm type detection such as broadcast, multicast, and unknown unicast)
- Dynamic IGMP Snooping support, filtering multicast traffic
- Support QoS, IEEE802.1p and ToS/DiffServe to improve communication quality
- Support RMON and private MIB, effective remote data monitoring and prediction capabilities

Product specification

Software performance

Redundancy protocol	Support MW-Ring Support STP/RSTP
Multicast routing	Support IGMP snooping/ IGMP v1/v2 Support GMRP Support static multicast
Management and maintenance	Support Console and Web management methods Support SNMPv1/v2c/V3 Support unified PC software management

Technical specifications

Ethernet Standard	IEEE802.3-10BaseT IEEE802.3u-100BaseTX/100Base-FX IEEE802.3x-Flow Control IEEE802.3z-1000BaseLX IEEE 802.1s-MSTP IEEE802.1D-Spanning Tree Protocol IEEE802.1w-Rapid Spanning Tree Protocol IEEE802.1Q -VLAN Tagging IEEE802.1p -Class of Service IEEE802.1X-Port Based Network Access Control
Switch properties	
Priority queue	4
VLAN ID	1-4096
IGMP Groups	256
MAC table	8k
Switch Bandwidth	7.6Gbps
Switch Latency	<5μs
Interface	
10/100Base port	Port numbers:8
	Connector: 9 fixed F(x)(Single/multi-mode or SC/FC/ST port available) or RJ45
	Baud rate: 100Base-FX(fiber port), 10/100M auto-negotiation
Console port	RS232/RJ45
Terminal block for power input	5.08mm terminal block
Terminal block for relay alarm	5.08mm terminal block,1A@24VDC
Communication distance	
Twisted-pair	100m(CAT5/CAT5e cable)
Multi-mode fiber	10/100Base multi-mode: 1310nm 2km
Single mode fiber	10/100Base single mode: 1310nm 20/40km; 1550nm 60/80km
LED indicator lights	
Front panel LED lights	Port light: LINK/ACT; SPEED
	Running light: RUN
	Power LED: PWR1/PWR2
Power requirements	
Power input	DC9-60V AD220V(AC85-284V or DC110-370V)
Full-load consumption	MISCOM6208/6208-2F<5W@24VMax

	MISCOM6208-4F:<6W@24VMax
Overload protection	support
Inversed protection	support
Redundancy protection	support
Working environment	
Operating temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient humidity	5%~95%(non-condensing)
Physical characteristics	
Shell	IP40 protection, aluminum alloy shell
Installation	35mm din rail-mounted installation
Dimension	54mmx140mmx110mm
Industry standard	
EMC	EN61000-4-2(ESD), Level 4 EN61000-4-3(RS), Level 4 EN61000-4-4(EFT), Level 4 EN61000-4-5(Surge), Level 4 EN61000-4-6(CS), Level 4 EN61000-4-8, Level 5
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
Warranty	
Warranty period	5 Years
Certification	CE/FCC/RoHS

Ordering Information

MISCOM6208	8x10/100M RJ45 ports, redundant DC9~60V power supply
MISCOM6208-AD220	8x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply
MISCOM6208-2M-SC02	2x100 fiber ports+6x10/100M RJ45 ports, redundant DC9~60V power supply, Multi-mode, SC connector, 2KM
MISCOM6208-2M-ST02	2x100 fiber ports+6x10/100M RJ45 ports, redundant DC9~60V power supply, Multi-mode, ST connector, 2KM
MISCOM6208-2M-FC02	2x100 fiber ports+6x10/100M RJ45 ports, redundant DC9~60V power supply, Multi-mode, FC connector, 2KM
MISCOM6208-2S-SC20	2x100 fiber ports+6x10/100M RJ45 ports, redundant DC9~60V power supply, Single-mode, SC connector, 20KM
MISCOM6208-2S-ST20	2x100 fiber ports+6x10/100M RJ45 ports, redundant DC9~60V power supply, Single-mode, ST connector, 20KM
MISCOM6208-2S-FC20	2x100 fiber ports+6x10/100M RJ45 ports, redundant DC9~60V power supply, Single-mode, FC connector, 20KM
MISCOM6208-4M-SC02	4x100 fiber ports+4x10/100M RJ45 ports, redundant DC9~60V power supply, Multi-mode, SC connector, 2KM
MISCOM6208-4M-ST02	4x100 fiber ports+4x10/100M RJ45 ports, redundant DC9~60V power supply, Multi-mode, ST connector, 2KM
MISCOM6208-4M-FC02	4x100 fiber ports+4x10/100M RJ45 ports, redundant DC9~60V power supply, Multi-mode, FC connector, 2KM
MISCOM6208-4S-SC20	4x100 fiber ports+4x10/100M RJ45 ports, redundant DC9~60V power supply, Single-mode, SC connector, 20KM
MISCOM6208-4S-ST20	4x100 fiber ports+4x10/100M RJ45 ports, redundant DC9~60V power supply, Single-mode, ST connector, 20KM
MISCOM6208-4S-FC20	4x100 fiber ports+4x10/100M RJ45 ports, redundant DC9~60V power supply, Single-mode, FC connector, 20KM
MISCOM6208-2M-SC02-AD220	2x100 fiber ports+6x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply, Multi-mode, SC connector, 2KM
MISCOM6208-2M-ST02-AD220	2x100 fiber ports+6x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply, Multi-mode, ST connector, 2KM
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MISCOM6208-4M-SC02-AD220	4x100 fiber ports+4x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply, Multi-mode, SC connector, 2KM

MISCOM6208-4M-ST02-AD 220	4x100 fiber ports+4x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,ST connector,2KM
MISCOM6208-4M-FC02-AD 220	4x100 fiber ports+4x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Multi-mode,FC connector,2KM
MISCOM6208-4S-SC20-AD 220	4x100 fiber ports+4x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,SC connector,20KM
MISCOM6208-4S-ST20-AD2 20	4x100 fiber ports+4x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,ST connector,20KM
MISCOM6208-4S-FC20-AD 220	4x100 fiber ports+4x10/100M RJ45 ports, AC85-264V/ DC110~370V isolated power supply,Single-mode,FC connector,20KM