

Industrial Managed DIN-Rail Gigabit Ethernet Switch 8-port 10/100/1000BASE-T and 4-port 1000BASE SFP Gigabit

8
1000M
Ethernet

4
Fiber(SFP)

Overview

VOSCOM VOS-MIR-8GE4GF-SFP Managed Industrial Ethernet Switch provide 8 * 10/100/1000Base RJ-45 copper ports and 4 * 1000Base SFP fiber optic slot for long distance connectivity.

This Managed Ethernet switch Support redundant Ring protocol (recovery time $\leq 20\text{ms}$), support complete security and QoS policies; Support VLAN division, port mirroring, and port rate limiting; Support broadcast storm protection, flow control, and centralized management and configuration by WEB, CLI, SNMP.

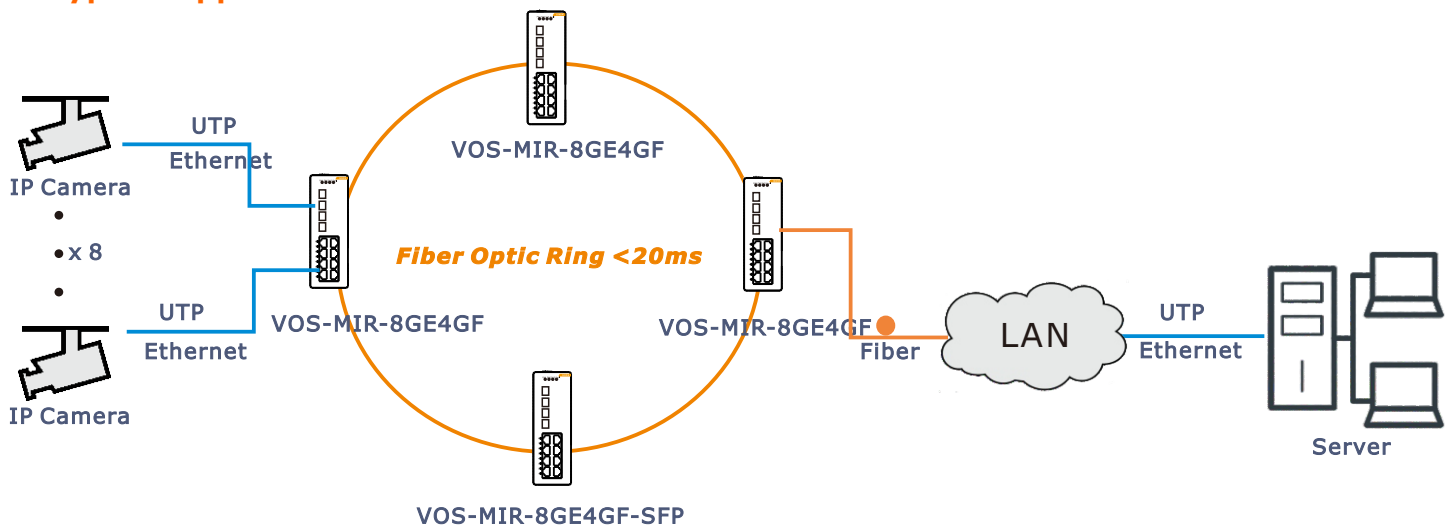
Low power consumption design; DIN-Rail corrugated metal casing, IP40 protection grade; Dual redundant power; wide operating temperature range and port surge protection design, can be deployed in factory automation, transportation, Oil & Gas and many other industrial applications.



Features

- 8 * 10/100/1000BASE-T Ethernet port and 4 * 1000BASE SFP Fiber port
- RJ45 Port supports 10/100Mbps, Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- Support redundant Ring protocol (recovery time $\leq 20\text{ms}$)
- Supports IGMP v1/v2/v3 Snooping, up to 256 groups
- Support 802.1Q VLAN, Port-based VLAN, QinQ and Broadcast storm protection.
- SNMP v1/v2c/v3, Web GUI, CLI; Console port, Telnet
- Dual redundant power input, with overload protection and reverse polarity protection
- DIN-Rail corrugated metal casing, IP40 protection grade
- -40°C to 85°C operating temperature

Typical Application



Industrial Ethernet Switch

Specification

• Ethernet

• Standards:

IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/FX
IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-X
IEEE802.3x full-duplex flow control
IEEE 802.1p QoS
IEEE 802.1Q Tag VLANs
IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)
IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)
IEEE 802.1x Network Authentication
Ring, IGMP, GMRP, Telnet, RMON, SNMPv1/v2/v3,
LLDP, STNP, DHCP server, SSH, SSL, ACL, FTP, ARP

• Processing Type:

Store-and-forward, wire speed switching
Auto Negotiation
Half-duplex back-pressure and
IEEE802.3x full-duplex flow control
Auto MDI/MDIX

• Packet Buffer Memory:

4.1Mb

• VLAN number:

4K

• Address Table Size:

8K MAC addresses

• VLAN ID:

1~4096

• Switching Bandwidth:

50G

• Priority Queue:

8

• Packet forwarding Rate:

26.8Mpps

• Multicast Groups:

512

• Interface

• Ethernet Port:

8 * 10/100/1000Base-T,
RJ-45 Connector

• Optical Port:

4 * 1000Base-X SFP,
SFP LC Connector

• Console Port:

RJ-45

• Electrical & Mechanical

• LED Indicators:

Ethernet (Per Port): Link/Activity, Speed
Fiber Port: Link/Activity
Power Port

• Power:

DC12~57V Redundant Input
0.05A@48VDC (No-load)
0.1@48VDC (Full-load)
5.08mm Industrial Terminal Connector
Overload protection
Reverse polarity protection
Redundancy protection

• Mechanical:

Strengthened Corrugated Metal Case
Protection Grade: IP40
Dimension(L*W*H): 155*115*51.5mm
Weight: 0.8kg
Installation: DIN-Rail

• Environment:

Operating Temperature: -40°C ~ +85°C
Storage Temperature: -45°C ~ +85°C
Relative Humidity: 5~95%, non-condensing

• Warranty :

MTBF: > 100,000 hrs
Warranty: 3 years

• Regulatory Approvals

• EMI:

FCC Part 15, CISPR(EN55022) class A

• EMS:

EN61000-4-2(ESD), Level 4
EN61000-4-3(RS), Level 3
EN61000-4-4(EFT), Level 4
EN61000-4-5(Surge), Level 4
EN61000-4-6(CS), Level 3
EN61000-4-8, Level 5

• Environmental Test Compliances:

IEC 60068-2-6 (Vibration)
IEC 60068-2-27 (Shock)
IEC60068-2-32 (Free Fall)

Industrial Ethernet Switch

Ordering Information

Model Number	Description
VOS-MIR-8GE4GF-SFP	Industrial Managed 8-port 10/100/1000BASE-T + 4-port 1000BASE SFP Ethernet Switch

Note:

- The power supply of Industrial Ethernet Switch series need to be purchased separately.
- If the device with SFP, the SFP need to be purchased separately.
- Please feel free to consult factory for any special requirement and customization.

Optional Accessories (to be purchased separately)

Accessory Model	Description
SFP Modules	SFP Option. Please select your SFP on our SFP Modules page at the back of the catalogue or our website: www.voscom.com for details.
Power supply	Please refer to the power supply information at our website: www.voscom.com or consult our sales at sales@voscom.com for your power system design properly.

Dimensions

