

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

Overview

VOSCOM VOS-MIRP-8GE4GF-SFP Managed Industrial PoE Ethernet Switch provide 8 * 10/100/1000Base-T PoE Ethernet ports and 4 Gigabit SFP ports for long distance connectivity.

The PoE Ethernet ports provide up to 15.4W/port with a total power budget of 123.2W (IEEE802.3af), or up to 30W/port with a total power budget of 240W (IEEE802.3at), the PoE power budget depends on power input.

This Managed Ethernet switch support redundant Ring protocol (recovery time 20ms), 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. DIN-Rail corrugated metal casing, IP40 protection grade; wide operating temperature range and port surge protection.

Features

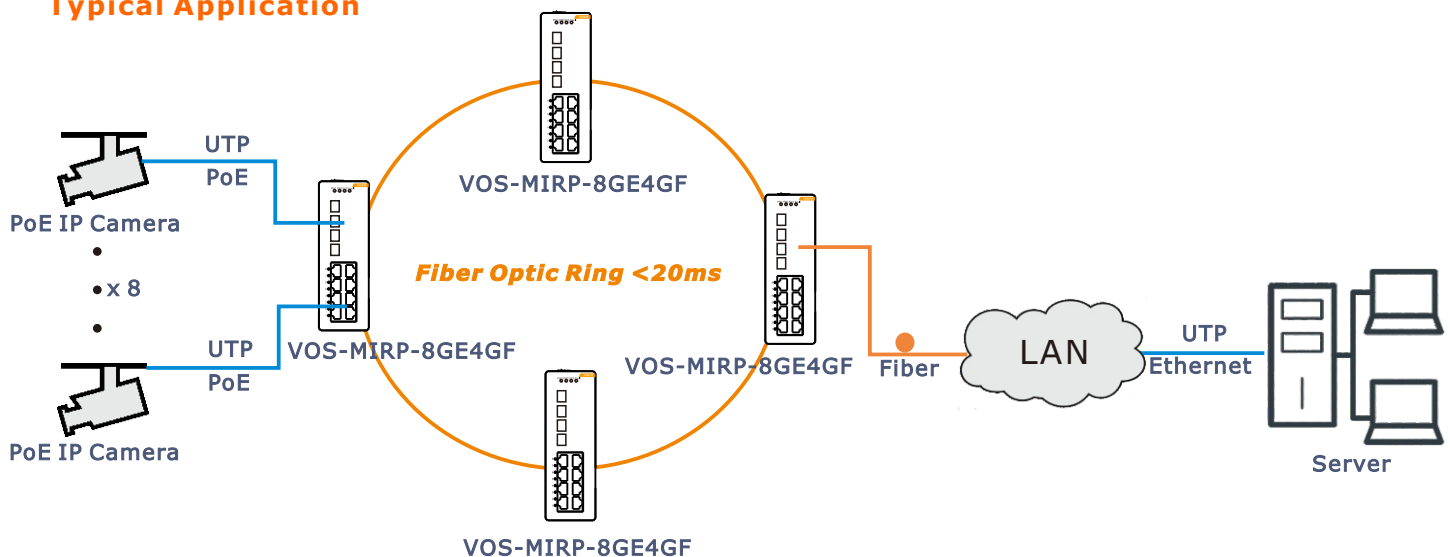
- 8 * 10/100/1000BASE-T PoE Ethernet port and 4 * Gigabit SFP port
- Support IEEE802.3af 15.4W per port or IEEE802.3at 30W per port
- RJ45 Port supports 10/100Mbps, Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- Support redundant Ring protocol (recovery time ≤ 20ms)
- Supports IGMP v1/v2/v3 Snooping, 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
- Power with overload protection and reverse polarity protection
- DIN-Rail corrugated metal casing, IP40 protection grade
- Low power consumption design without fan
- -40°C to 85°C operating temperature



8
1000M
PoE Ethernet

4
Fiber(SFP)

Typical Application



Industrial PoE Ethernet Switch

Specification

• Ethernet

• Standards:

IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/FX
IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-X
IEEE802.3af 15.4W/port & IEEE802.3at 30W/port
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
IGMP Snooping, 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 (PoE/PoE+),
RJ-45 Connector

• Optical Port:

4 * 1000Base-X SFP,
SFP LC Connector

• Console Port:

RJ-45

• PoE Pinout:

V+ for Pin 1, 2,
V- for pin 3, 6
Endspan

• Electrical & Mechanical

• LED Indicators:

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

• PoE & Power:

Power Input: 44~57VDC
5.08mm Industrial Terminal Block
0.0058A@48VDC (No-load)
0.46A@48VDC (Full-load)
IEEE802.3af: 15.4W/port
IEEE802.3at: 30W/port
Overload protection
Reverse polarity protection

• Mechanical:

Strengthened Corrugated Metal Case
Protection Grade: IP40
Dimension(L*W*H): 150*115*51.5mm
Weight: 0.85kg
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 PoE Ethernet Switch

Ordering Information

Model Number	Description
VOS-MIRP-8GE4GF-SFP	Industrial Managed 8-port 10/100/1000BASE-T PoE + 4-port Gigabit 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

