

Industrial Unmanaged Gigabit PoE Ethernet Switch 4 * 10/100/1000BASE-T PoE and 2 * Gigabit SFP Port

Overview

VOSCOM VOS-IRP-4GE2GF-SFP Unmanaged Industrial PoE Ethernet Switch provide 4 * 10/100/1000Base-T PoE Ethernet ports and 2 Gigabit SFP ports for long distance connectivity.

The PoE Ethernet ports provide up to 15.4W/port with a total power budget of 61.6W (IEEE802.3af), or up to 30W/port with a total power budget of 120W (IEEE802.3at), the PoE power budget depends on power input.

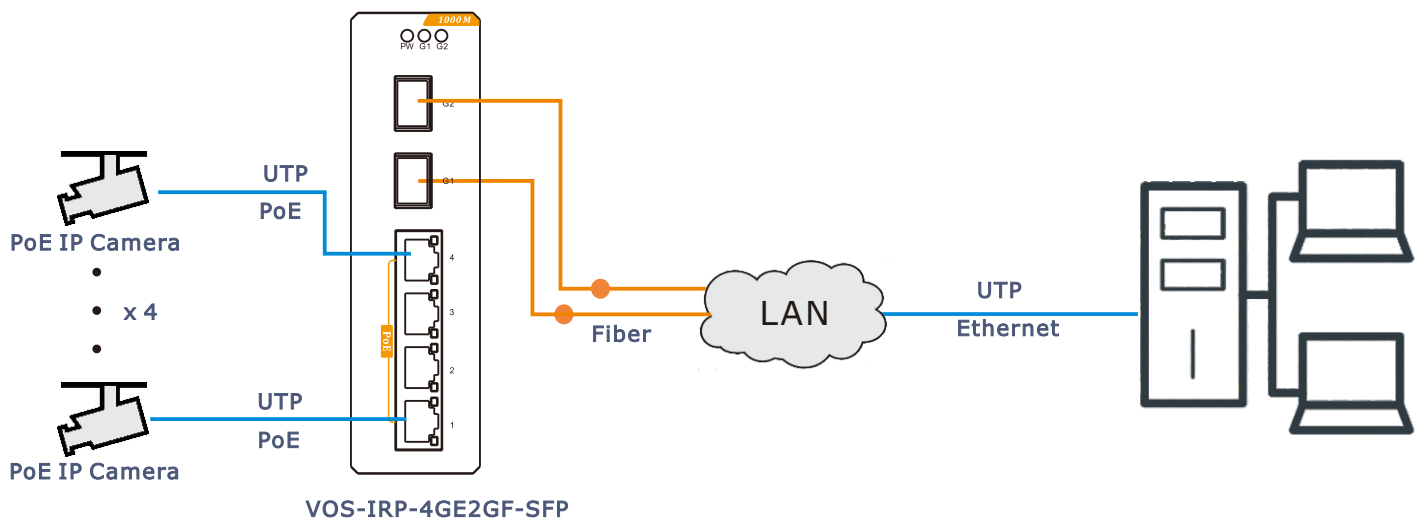
Low power consumption design; DIN-Rail corrugated metal casing, IP40 protection grade; wide operating temperature range and port surge protection design, can be deployed in factory automation, transportation, Oil & Gas and many other industrial applications.



Features

- 4 * 10/100/1000BASE-T PoE Ethernet port and 2 * Gigabit SFP port
- Support IEEE802.3af 15.4W per port or IEEE802.3at 30W per port
- IEEE802.3 / 802.3u / 802.3x / IEEE802.3ab / IEEE802.3z, store and forward
- MDI/MDI-X Auto-Crossover supported
- Full/half-duplex auto-negotiation
- 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
- Plug-and-Play

Typical Application



Industrial PoE Ethernet Switch

Specification

• Ethernet

• Standards:

IEEE802.3 10BASE-T
IEEE802.3u 100BASE-TX/FX
IEEE802.3x full-duplex flow control
IEEE802.3ab 1000BASE-T
IEEE802.3z 1000BASE-X
IEEE802.3af 15.4W/port Power-over-Ethernet
IEEE802.3at 30W/port Power-over-Ethernet

• 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:

1.5Mb

• Address Table Size:

2K MAC addresses

• Switching Bandwidth:

14G

• Packet forwarding Rate:

10.4Mpps

• Electrical & Mechanical

• LED Indicators:

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

• PoE & Power:

Power Input: 44~57VDC Redundant Input
5.08mm Industrial Terminal Block
0.025A@48VDC (No-load)
0.84A@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): 135*100.5*38.5mm
Weight: 0.7kg
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

• Interface

• Ethernet Port:

4 * 10/100/1000Base-T (PoE/PoE+),
RJ-45 Connector

• Optical Port:

2 * 1000Base-X SFP,
SFP LC Connector

• PoE Pinout:

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

• 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-IRP-4GE2GF-SFP	Industrial Unmanaged 4-port 10/100/1000BASE-T PoE + 2-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

