



IGPS-1042GP-24V

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➔ **Industrial 6-port unmanaged Gigabit PoE Ethernet switch with 4x10/100/1000Base-T(X) P.S.E. and 2x100/1000Base-X, SFP socket, 24VDC power input**

Features

- IGPS-1042GP-24V provide 4x10/100/1000Base-T(X) PoE (P.S.E.) ports
- Supports P.S.E. based on IEEE 802.3at standard up to 30 Watts per port and total power budget is 120Watts.
- Advanced PoE power boost technology to support dual 24VDC power inputs
- Supports Jumbo frame up to 10KBytes
- SFP port supports 100Base-FX and 1000Base-X speed
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store and forward transmission
- Supports flow control
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled

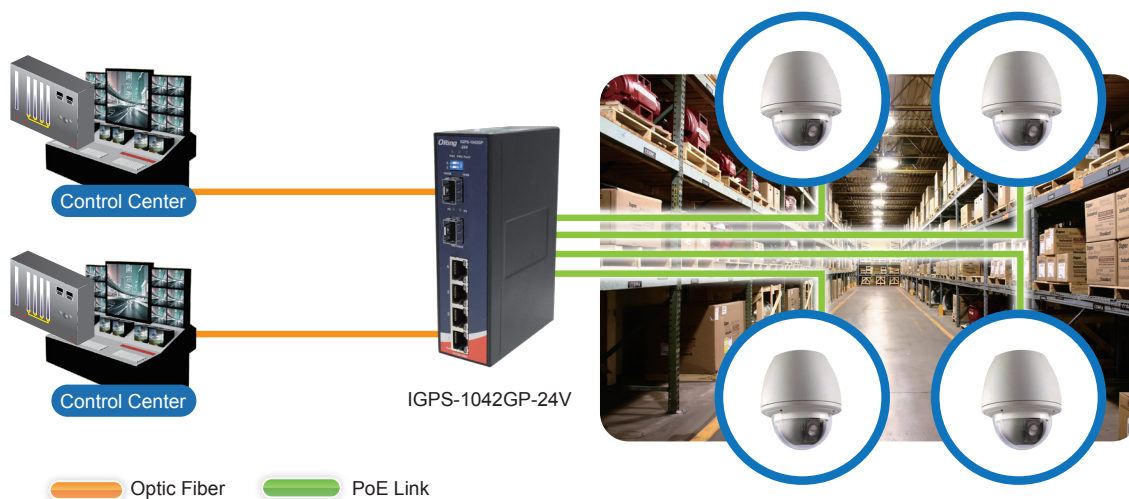


Introduction

IGPS-1042GP-24V is an unmanaged PoE Ethernet switch with P.S.E. function. IGPS-1042GP-24V supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IGPS-1042GP-24V has 4x10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports and 2x100/1000Base-X SFP port. The SFP port optical network speed can be set by changing the settings of the DIP-Switch below. P.S.E. is a device (switch or hub for instance) that will provide power in a PoE setup. The wide operating temperature range from -40°C to 75°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Ethernet application.

Practical Operation

IGPS-1042GP-24V can be used in connecting several PoE P.D. Ethernet devices like IP-Camera or other Ethernet devices. In addition, there are two different power inputs at terminal block to avoid interruption caused by power down. When the primary DC power input fails, the backup power input will take over immediately to guarantee a non-stop operation.



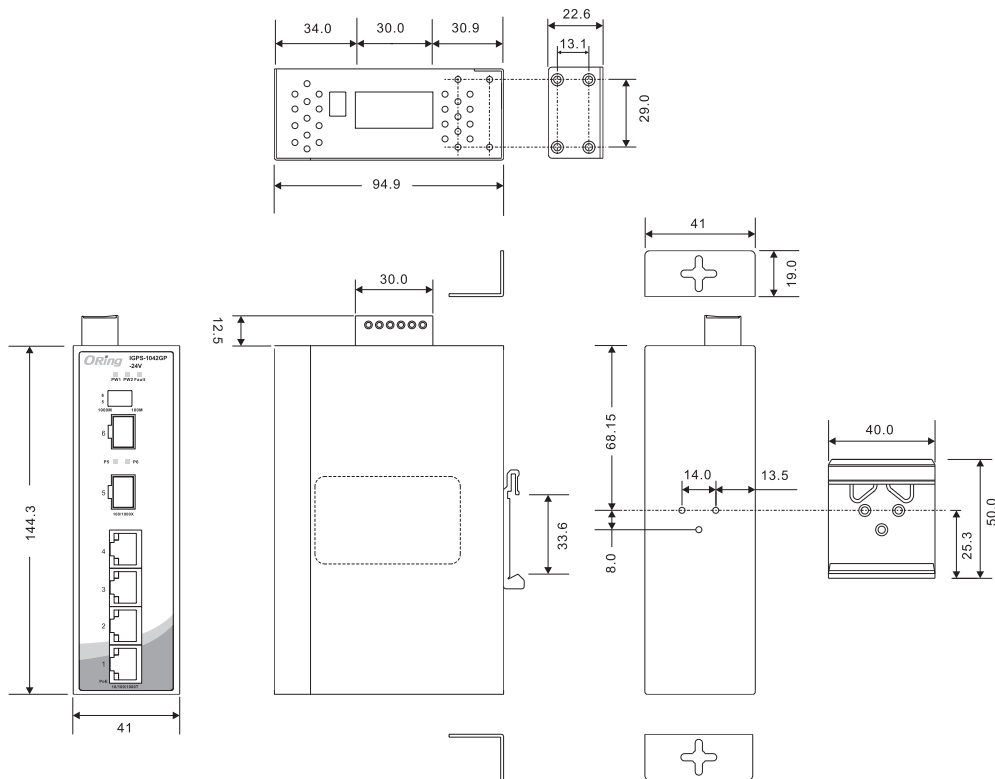
Connections of Ethernet devices

PoE Pin Definition

| 10/100Base-T(X) P.S.E. RJ-45 Port | |
|-----------------------------------|----------------------------|
| RJ-45 Pin Definition | |
| Pin No. | Description |
| #1 | TD+ with PoE Power input + |
| #2 | TD- with PoE Power input + |
| #3 | RD+ with PoE Power input - |
| #6 | RD- with PoE Power input - |

| 1000Base-T P.S.E. RJ-45 Port | |
|------------------------------|-------------------------------|
| RJ-45 Pin Definition | |
| Pin No. | Description |
| #1 | BI_DA+ with PoE Power input + |
| #2 | BI_DA- with PoE Power input + |
| #3 | BI_DB+ with PoE Power input - |
| #4 | BI_DC+ |
| #5 | BI_DC- |
| #6 | BI_DB- with PoE Power input - |
| #7 | BI_DD+ |
| #8 | BI_DD- |

Dimensions



(Unit=mm)

Specifications

| ORing Switch Model | IGPS-1042GP-24V |
|--|---|
| Physical Ports | |
| 10/100/1000Base-T(X) Ports in RJ45 with P.S.E. Auto MDI/MDIX | 4 |
| 100/1000Base-X SFP port | 2 |
| Technology | |
| Ethernet Standards | IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.) |
| MAC Table | 1K MAC addresses |
| Processing | Store-and-Forward |
| Jumbo Frame | Up to 10K Bytes |
| LED Indicators | |
| Power indicator | Green : Power LED x 2 |
| Fault indicator | Amber : Indicate PWR1 or PWR2 failure |
| 10/100/1000Base-T(X) RJ45 port indicator and PoE indicator (P1 ~ P4) | Green for port Link/Act. Green for power injected. |
| 100/1000Base-X SFP port indicator | Green for port Link/Act. |
| SFP Speed DIP-Switch | |
| DIP-Switch 1/2 | DIP-Switch 1 (ON) and DIP-Switch 2 (ON) : SFP speed setting to 100Mbps DIP-Switch 1 (OFF) and DIP-Switch 2 (OFF) : SFP speed setting to 1000Mbps |
| DIP-Switch | |
| DIP-Switch 1 | Power-1 failed warning : (ON) enable, (OFF) disable |
| DIP-Switch 2 | Power-2 failed warning : (ON) enable, (OFF) disable |
| Fault contact | |
| Relay | Relay output to carry capacity of 1A at 24VDC |
| Power | |
| Redundant Input power | Dual DC inputs. 12~57VDC on 6-pin terminal block. |
| PoE Power Budget | 60Watts at 12VDC / 120Watts(24~57VDC) |
| Power consumption (Typ.) | 7 Watts (power device not included) |
| Overload current protection | Present |
| Reverse polarity protection | Present |
| Physical Characteristics | |
| Enclosure | IP-30 |
| Dimensions (W x D x H) | 41 (W) x 94.9 (D) x 144.3(H) mm (1.61 x 3.74 x 5.68 inches) |
| Weight (g) | 650 g |
| Environmental | |
| Storage temperature | -40 to 85°C (-40 to 185°F) |
| Operating temperature | -40 to 75°C (-40 to 167°F) |
| Operating humidity | 5% to 95% Non-condensing |
| Regulatory Approvals | |
| EMC | EN 55032, EN 55024(CE EMC), FCC Part 15 B, EN 550121-1, EN 50121-3-2(EN50155), EN 61000-3-2, EN 61000-3-3 |
| EMI | CISPR 32, EN 55032, FCC Part 15 B class A ,C-Tick |

| | |
|-----------|--|
| EMS | IEC 61000-4-2 (ESD), IEC 61000-4-3 (RS), IEC 61000-4-4 (EFT), IEC 61000-4-5 (Surge), IEC 61000-4-6 (CS), IEC 61000-4-8 (PFMF), IEC 61000-4-11(DIP) |
| Shock | IEC 60068-2-27 |
| Free Fall | IEC 60068-2-31 |
| Vibration | IEC 60068-2-6 |
| Safety | EN 60950-1 |
| MTBF | 833512 hours |
| Warranty | 5 years |

Ordering Information

IGPS-1 **AA** **B** **CC** -24V

| Code Definition | 10/100/1000Base-T(X) P.S.E. Port Number | Additional Port Number | Additional Port Type |
|-----------------|---|------------------------|----------------------------------|
| Option | - 4 : 4 ports | - 2 : 2 port | - GP : 100/1000Base-X SFP |

| Available Model | Model Name | Description |
|---|-----------------|---|
| | IGPS-1042GP-24V | Industrial 6-port unmanaged Gigabit PoE Ethernet switch with 4x10/100/1000Base-T(X) P.S.E and 2x100/1000Base-X, SFP socket, 24VDC power inputs |
| Packing List | | Optional Accessories (Can be purchased separately) |
| <ul style="list-style-type: none"> IGPS-1042GP-24V DIN-Rail Kit Wall-mount Kit Quick Installation Guide | | <ul style="list-style-type: none"> SFP100 series : 100Mbps SFP optical transceiver DR/SDR/DRP 48V Series DIN-Rail power supply SFP 1G series : 1Gbps SFP optical transceiver |

Industrial Ethernet Switch

Industrial Media Converter

Industrial Device Server

Industrial Wireless Access Point

Industrial Cellular VPN Router

Industrial M2M Gateway

Accessories

Network Management Software



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Как с нами связаться

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