



IGS-1042GPA

Industrial 6-port slim type unmanaged Gigabit Ethernet switch with
4x10/100/1000Base-T(X) and 2x100/1000Base-X, SFP socket

Features

- IGS-1042GPA provide 4x10/100/1000Base-T(X) ports
- SFP port supports 100Base-FX and 1000Base-X speed
- Supports jumbo frame up to 9KBytes
- 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

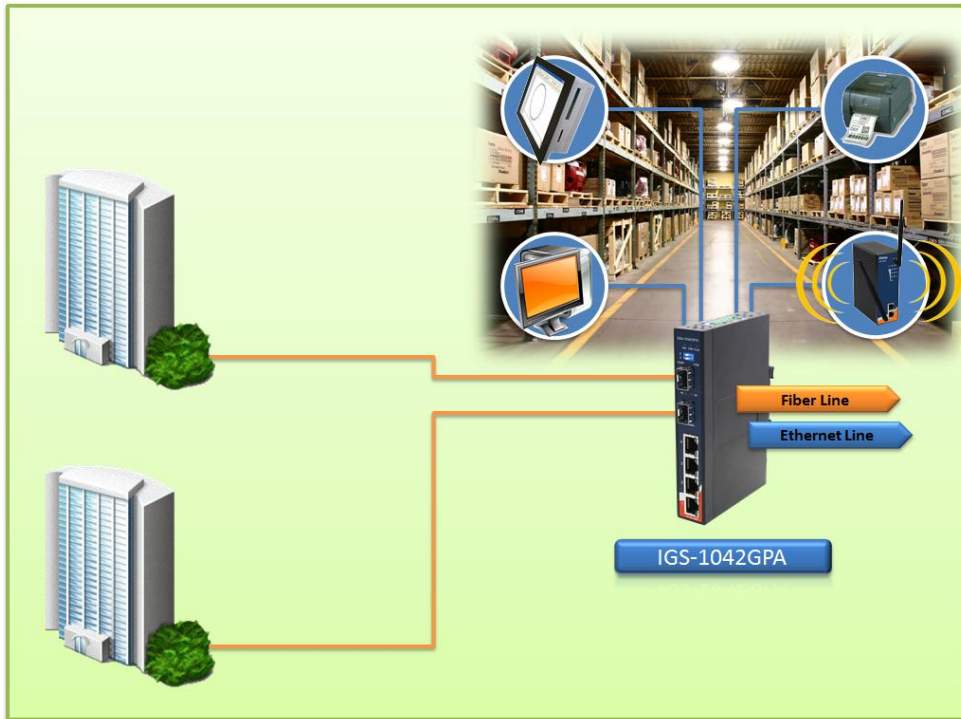


Introduction

IGS-1042GPA is an unmanaged Ethernet switch, has 4x10/100/1000Base-T(X) 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. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for Ethernet application.

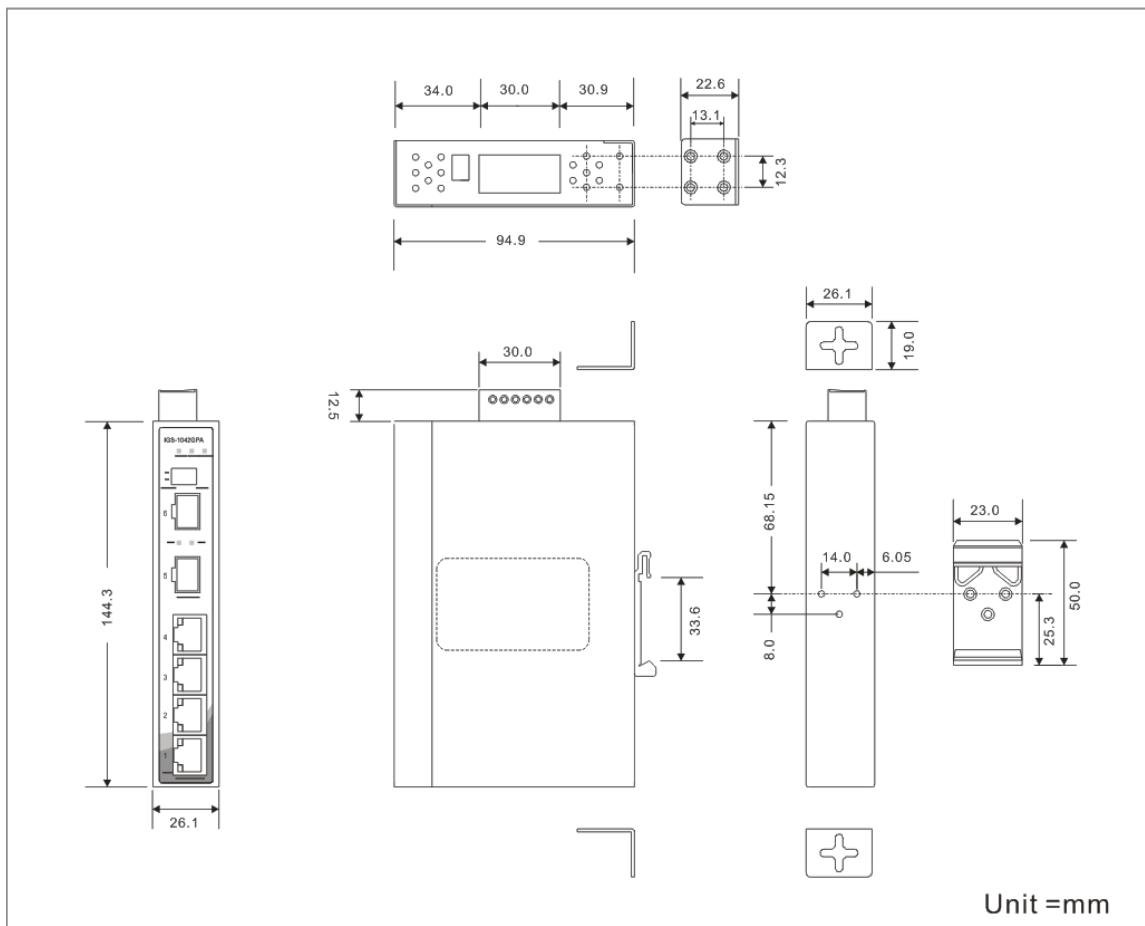
Practical Operation

IGS-1042GPA can be used in connecting several 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

Dimension



Specifications

| ORing Switch Model | IGS-1042GPA |
|--|---|
| Physical Ports | |
| 10/100/1000Base-T(X) Ports in RJ45 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 |
| MAC Table | 1K MAC addresses |
| Processing | Store-and-Forward |
| Jumbo Frame | Up to 9KBytes |
| 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 | Green for port Link/Act. Amber for 100Mbps indicator |
| 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 |
| Relay Output 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. 12~48VDC on 6-pin terminal block. |
| Power consumption (Typ.) | 6.4 Watts |
| Overload current protection | Present |
| Reverse polarity protection | Present |
| Physical Characteristic | |
| Enclosure | IP-30 |
| Dimension (W x D x H) | 26.1 (W) x 94.9 (D) x 144.3(H) mm (1.03 x 3.74 x 5.68 inches) |
| Weight (g) | 410 g |
| Environmental | |
| Storage Temperature | -40 to 85°C (-40 to 185°F) |
| Operating Temperature | -40 to 70°C (-40 to 158°F) |
| Operating Humidity | 5% to 95% Non-condensing |
| Regulatory approvals | |
| EMI | FCC Part 15, CISPR (EN55022) class A |
| EMS | EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 |
| Shock | IEC60068-2-27 |
| Free Fall | IEC60068-2-32 |

| | |
|-----------|--------------|
| Vibration | IEC60068-2-6 |
| Safety | EN60950-1 |
| Warranty | 5 years |

Ordering Information

IGS-1 A A B C C A

| Code Definition | 10/100/1000Base-T(X) P.S.E. | Port Number | Additional Port Number | Additional Port Type |
|-----------------|-----------------------------|-------------|------------------------|--------------------------|
| Option | - 04: 4 ports | | - 2: 2 port | - GP: 100/1000Base-X SFP |

| Available Model | Model Name | Description |
|-----------------|-------------|--|
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Packing List

- IGS-1042GPA x 1
- Din-Rail Kit x 1
- Wall-Mount Kit x 1
- Quick Installation Guide x 1

Optional Accessories

- SFP100 series : 100Mbps SFP optical transceiver
- DR-45 series : 45 Watts DIN-Rail power supply
- DR-120 series : 120 Watts DIN-Rail power supply
- SFP 1G series : 1Gbps SFP optical transceiver
- DR-75 series : 75 Watts DIN-Rail power supply