



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

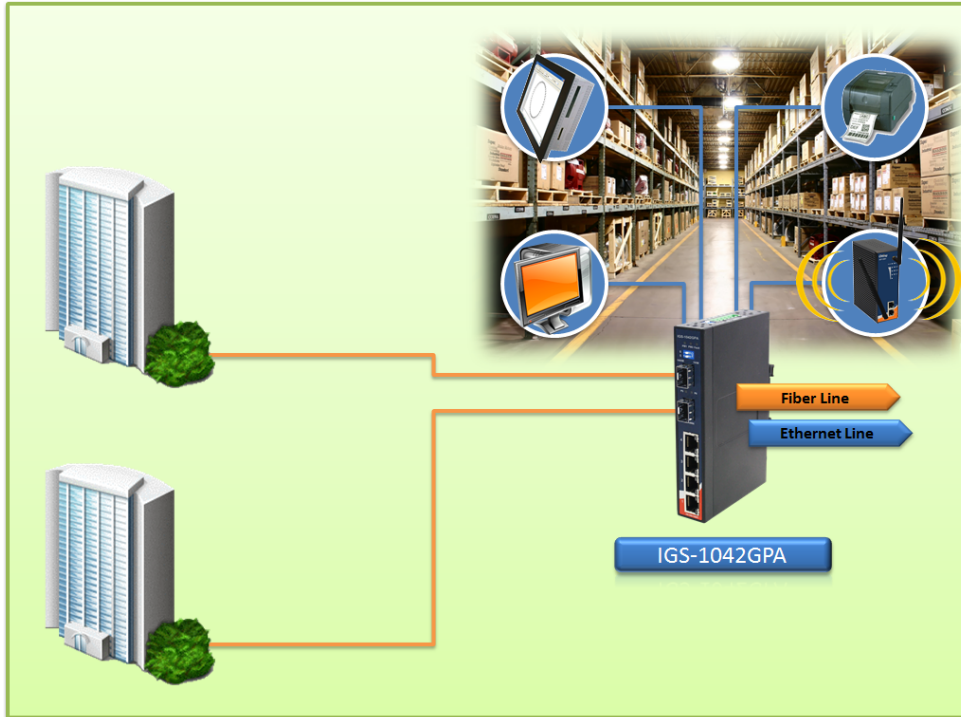


Introduction

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.

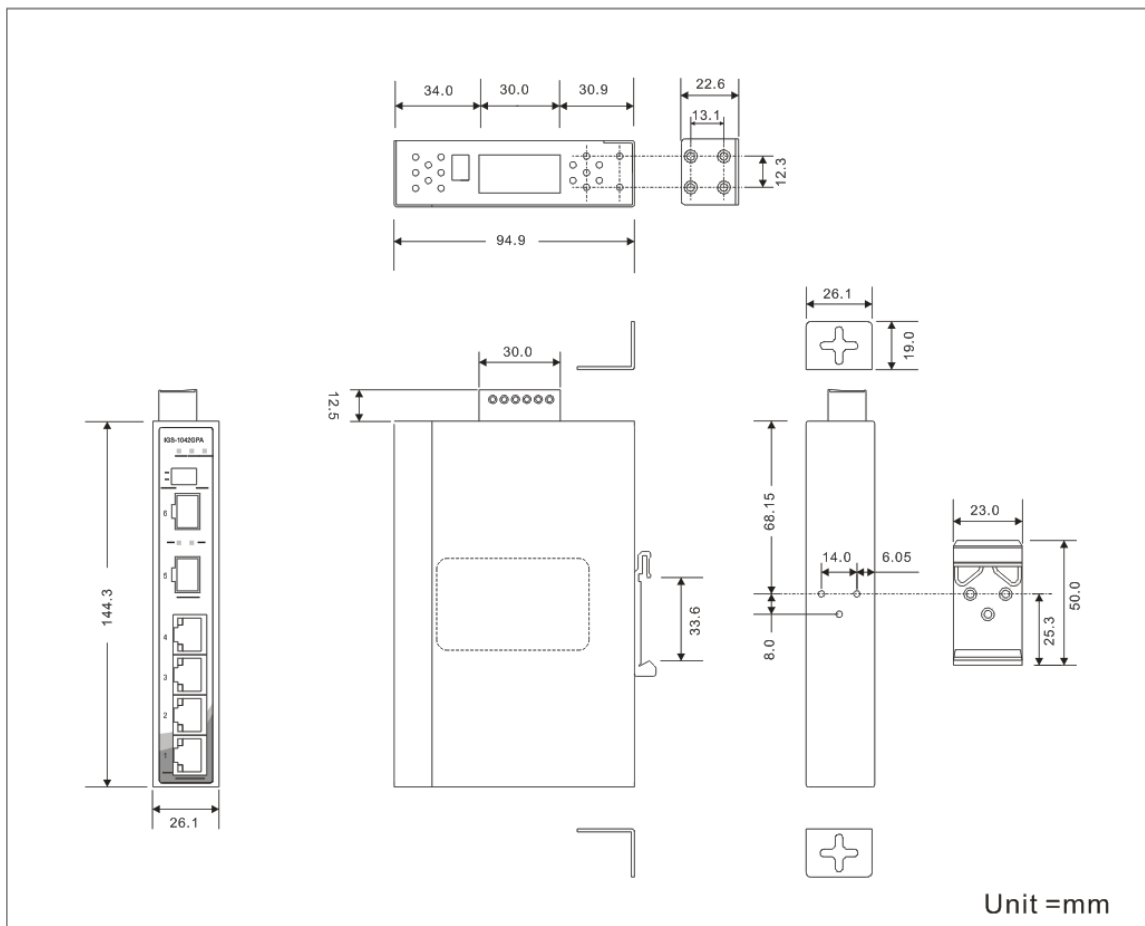
Practical Operation

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 AABCCA

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
	IGS-1042GPA	Industrial 6-port slim type unmanaged Gigabit Ethernet switch with 4x10/100/1000Base-T(X) and 2x100/1000Base-X, SFP socket

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