

# IGS-1080A



➤ **Industrial 8-port slim type unmanaged Gigabit Ethernet switch with 8x10/100/1000Base-T(X)**

## Features

- Supports auto-negotiation and auto-MDI/MDI-X
- Supports Jumbo Frame up to 9K Bytes
- Relay output for carrying capacity of 1A at 24 VDC
- Supports store-and-forward transmission
- Supports flow control
- Hardware DIP switch for enabling/disabling the warning function
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled

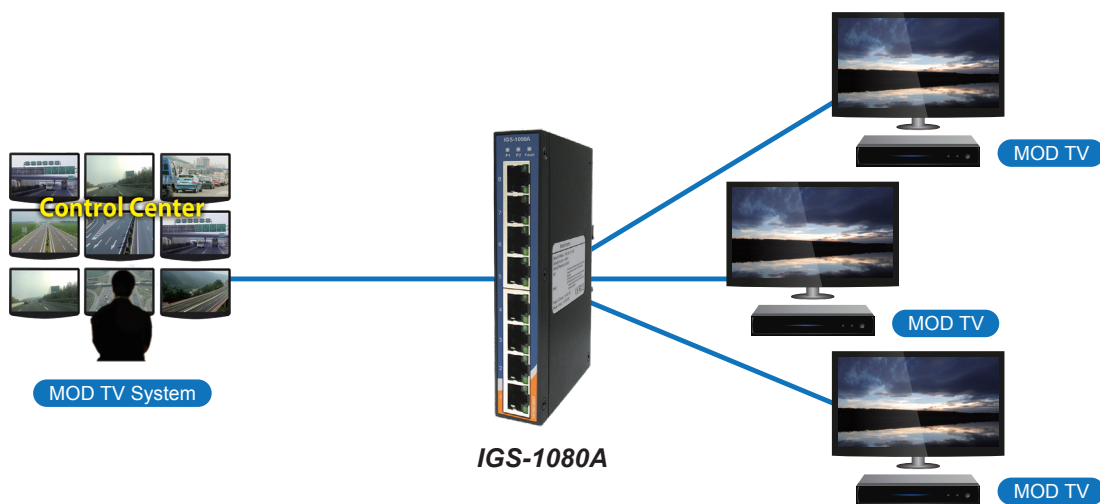


## Introduction

IGS-1080A is the slim type unmanaged gigabit Ethernet switch with 8 x 10/100/1000Base-T(X) ports. IGS-1080A supports redundant power input, rigid IP-30 housing, plus DIP switches for enabling or disabling relay output alarm. In addition, the wide operating temperature range from -40°C to 70°C can satisfy most of operating environments.

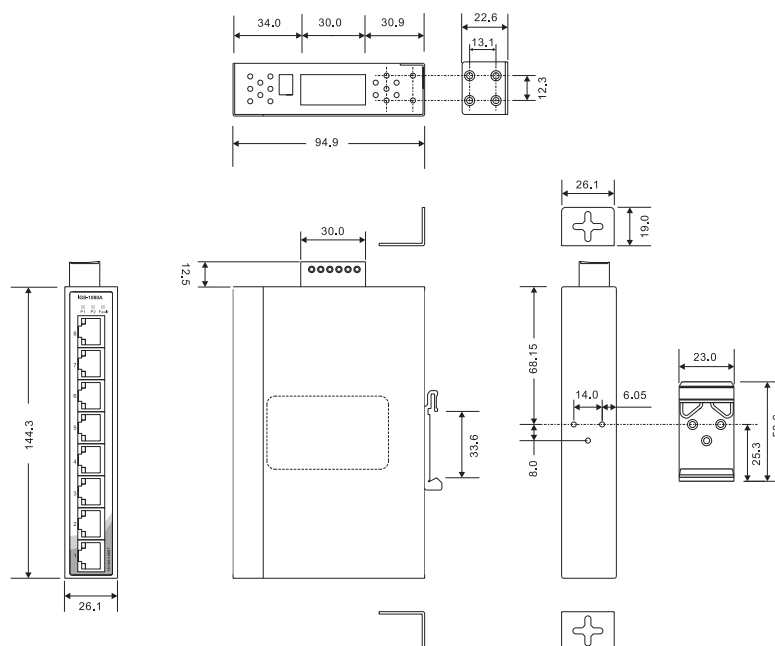
## Practical Operation

IGS-1080A can be used in connecting several Ethernet devices such as Ethernet I/O, IP-Camera or other Ethernet switches. 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

## Dimensions



(Unit=mm)

## Specifications

| ORing Switch Model                               | IGS-1080A  |
|--|--|
| <b>Physical Ports</b>                            |  |
| 10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX | 8  |
| <b>Technology</b>                                |  |
| Ethernet Standards                               | IEEE 802.3 for 10Base-T<br>IEEE 802.3u for 100Base-TX<br>IEEE 802.3ab for 1000Base-T<br>IEEE 802.3x for Flow control |
| MAC Table  | 4096 MAC addresses   |
| Processing                                       | Store-and-Forward  |
| <b>LED Indicators</b>                            |  |
| Power Indicator                                  | Green : Power LED x 2  |
| Fault Indicator                                  | Amber : Indicates PWR1 or PWR2 failure   |
| 10/100/1000Base-T(X) RJ45 Port Indicator         | Green for port Link / Act<br>Amber for 100Mbps indicator   |
| <b>DIP Switch</b>                                |  |
| DIP-Switch 1                                     | Power-1 failed warning : (ON) enable, (OFF) disable  |
| DIP-Switch 2                                     | Power-2 failed warning : (ON) enable, (OFF) disable  |
| <b>Fault contact</b>                             |  |
| Relay  | Relay output to carry capacity of 1A at 24VDC  |
| <b>Power</b>                                     |  |
| Redundant Input Power                            | Dual DC inputs. 12~48 VDC on 6-pin terminal block.   |
| Power Consumption (Typ.)                         | 5.5 Watts  |
| Overload Current Protection                      | Present  |
| Reverse Polarity Protection                      | Present  |

| Physical Characteristics |   |
|--------------------------|---|
| Enclosure                | IP-30   |
| Dimensions (W x D x H)   | 26.1(W) x 94.9(D) x 144.3(H) mm ( 1.03x3.74x5.68 inch.)   |
| Weight (g)               | 375g  |
| 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     |   |
| EMC                      | CE EMC (EN55024,EN 55032), FCC Part 15 B  |
| EMI                      | EN55032, CISPR 32, EN61000-3-2, EN61000-3-3, FCC Part 15 B class A  |
| EMS                      | EN55024 (IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS), IEC/EN 61000-4-4 (EFT), IEC/EN61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8 (PFMF), IEC/EN 61000-4-11 (DIP)) |
| Shock                    | IEC60068-2-27   |
| Free Fall                | IEC60068-2-31   |
| Vibration                | IEC60068-2-6  |
| Safety                   | EN60950-1 compliant   |
| MTBF                     | 875918.4026 hrs   |
| Warranty                 | 5 years   |

Ordering Information

IGS-1 **AA** **B** **A**

| Code Definition | 10/100/1000Base-T(X) Port Number | Additional Port Number |
|-----------------|----------------------------------|------------------------|
| Option          | - <b>08</b> : 8 ports            | - <b>0</b> : 0 ports   |

| Available Model  | Model Name | Description   |
|--|------------|---|
|  | IGS-1080A  | Industrial 8-port slim type unmanaged Gigabit Ethernet switch with 8 x 10/100/1000Base-T(X)   |
| <b>Packing List</b> <ul style="list-style-type: none"><li>IGS-1080A x 1</li><li>Quick Installation Guide x 1</li><li>Din-Rail Kit x 1</li><li>Wall-Mount Kit x 1</li></ul> |            | <b>Optional Accessories (Can be purchased separately)</b> <ul style="list-style-type: none"><li>DR-45 series : 45 Watts DIN-Rail power supply</li><li>DR-120 series : 120 Watts DIN-Rail power supply</li><li>DR-75 series : 75 Watts DIN-Rail power supply</li></ul> |

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TEMPEL GROUP ARGENTINA

[www.tempelgroupplatam.com](http://www.tempelgroupplatam.com)

[baires@tempelgroup.com](mailto:baires@tempelgroup.com)

Tel: +54 11 4897-7184/7178

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