## IES-1082GP

## 》 Industrial 10-port unmanaged Ethernet switch with $8 \times 10 / 100 B a s e-T(X)$ and $2 \times 1000$ Base-X, SFP socket

- Triple redundant DC power inputs of terminal block and power jack
- Provide $8 \times 10 / 100 B a s e-T(X)$ and $2 \times 1000$ Base-X SFP ports
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store-and-forward transmission
- Supports flow control
- Warning system by relay output
- Rigid IP-30 housing design
- DIN-Rail and wall mounting enabled



## Introduction

IES-1082GP is an unmanaged Ethernet switches with $8 \times 10 / 100 B a s e-T(X)$ and $2 \times 1000 B a s e-X$ in SFP ports. IES-1082GP supports redundant power input, relay output alarm, and surge protection. The wide operating temperature range from $-40^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$ can satisfy most of operating environments.

## Practical Operation

IES-1082GP can be used in connecting several Ethernet devices like Ethernet I/0, IP-Camera or other Ethernet switches. In addition, there are three different power inputs to enhance its reliability, two supplied by terminal block, and one by power jack to avoid interruption caused by power down. When the primary $D$ C 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 | IES-1082GP |
| :---: | :---: |
| Physical Ports |  |
| 10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX | 8 |
| 1000Base-X SFP ports | 2 |
| Technology |  |
| Ethernet Standards | IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3 z for 1000Base-X IEEE 802.3x for Flow control |
| MAC Table | 8192 MAC addresses |
| Processing | Store-and-Forward |
| LED Indicators |  |
| Power Indicator | Green : Power LED x 3 |
| Fault Indicator | Amber : Indicates PWR1 or PWR2 failure occurred |
| 10/100Base-T (X) RJ45 Port Indicator | Green for port Link/Act. Amber for Duplex/Collision |
| 1000Base-X SFP Port Indicator | Green for port Link/Act. |
| Fault Contact |  |
| Relay | Relay output to carry capacity of 1A at 24VDC |
| Power |  |
| Redundant Input Power | Triple DC inputs. 12~48VDC on 7-pin terminal block, 12~45VDC on power jack |
| Power Consumption (Typ.) | 6 Watts |
| Overload Current Protection | Present |
| Reverse Polarity Protection | Present on terminal block |


| Physical Characteristics |  |
| :--- | :--- |
| Enclosure | IP-30 |
| Dimensions (W x D x H) | $52(\mathrm{~W}) \times 106.1$ (D) x144.3(H) mm (2.05x4.18x5.68 inch.) |
| Weight (g) | 678 g |
| Environmental | -40 to $85^{\circ} \mathrm{C}\left(-40\right.$ to $\left.185^{\circ} \mathrm{F}\right)$ |
| Storage Temperature | -40 to $70^{\circ} \mathrm{C}\left(-40\right.$ to $\left.158^{\circ} \mathrm{F}\right)$ |
| Operating Temperature | $5 \%$ to $95 \%$ Non-condensing |
| Operating Humidity | FCC Part 15, CISPR (EN55022) class A |
| Regulatory Approvals | EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, |
| EMI | EN61000-4-11 |
| EMS | IEC60068-2-27 |
| Shock | IEC60068-2-32 |
| Free Fall | EN60950-2-6 |
| Vibration | 367,361 |
| Safety | 5 years |
| MTBF (Hours) (MIL-HDBK-217F2, GB, GC, $\left.25^{\circ} \mathrm{C}\right)$ |  |
| Warranty |  |

## Ordering Information



