

IES-1062/1080 Series

>> Industrial 8-port Unmanaged Ethernet Switch

- Completely options to support 10/100Base-T(X), 1000Base-T, 100Base-FX and 1000Base-X ports
- Triple Redundant DC power inputs
- Rigid IP-30 housing design



> Features

- Triple redundant DC power inputs of terminal block and power jack
- Completely combination of 100Base-T(X), 100Base-FX, 1000Base-T, and 1000Base-X ports
- Very wide operating temperature range from -40 to 70°C
- Rigid IP-30 housing design
- DIN-Rail and panel mounting enabled

> Introduction

IES-1080/1062 series are unmanaged Ethernet switches with 6x10/100Base-T(X) & 2x100Base-FX, 1000Base-T, 1000Base-SX or 1000Base-LX ports. IES-1080/1062 series support redundant power input, relay output alarm, and surge protection. The wide operating temperature range from -40°C to 70°C can satisfy most of operating environments.

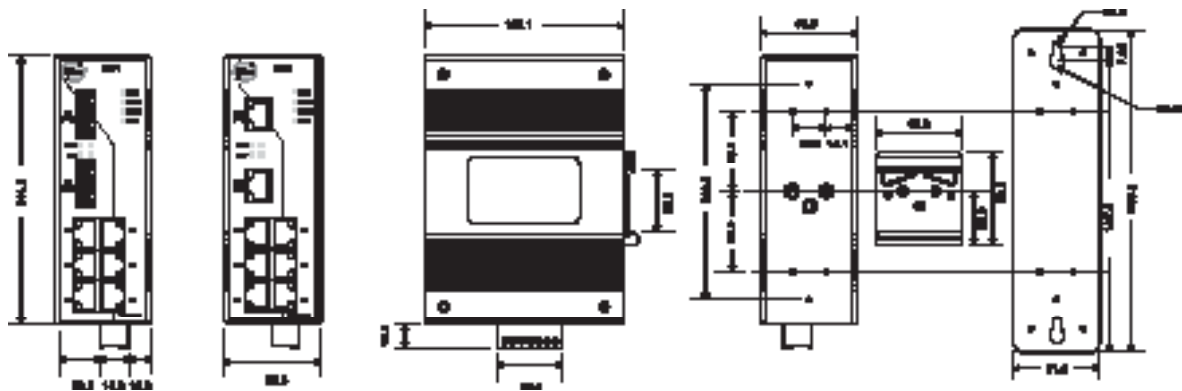
> Practical Operation

IES-1080/1062 series can be used in connecting several Ethernet devices like Ethernet I/O, 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 DC power input fails, the backup power input will take over immediately to guarantee a non-stop operation.



Connections of Ethernet devices

> Dimension



(Unit=mm)

> Specifications

| ORing Switch Model | IES-1080 | IES-1062GT | IES-1062FX-MM | IES-1062FX-SS | IES-1062GF-MM | IES-1062GF-SS |
|--|--|------------|---------------|---------------|---------------|---------------|
| Physical Ports | | | | | | |
| 10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX | 8 | 6 | 6 | 6 | 6 | 6 |
| 1000Base-T Ports in RJ45 Auto MDI/MDIX | | 2 | | | | |
| 100Base-FX Multi-mode ports (2KM, 1310nm, SC connector) | | | 2 | | | |
| 100Base-FX Single-mode ports (30KM, 1310nm, SC connector) | | | | 2 | | |
| 1000Base-SX Multi-mode ports (550M, 850nm, SC connector) | | | | | 2 | |
| 1000Base-LX Single-mode ports (10KM, 1310nm, SC connector) | | | | | | 2 |
| Technology | | | | | | |
| Ethernet Standards | IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-T(X) and 100Base-FX, IEEE 802.3ab for 1000Base-T 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 : Indicate PWR1 or PWR2 failure | | | | | |
| 10/100TX RJ45 Port Indicator | Green for port Link/Act. Amber for Duplex/Collision | | | | | |
| Fiber Port Indicator | Green for port Link/Act. Amber for Link | | | | | |
| 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.) | 4 Watts | 7 Watts | 8 Watts | 8 Watts | 6 Watts | 6 Watts |
| Overload Current Protection | Present | | | | | |
| Reverse Polarity Protection | Present on terminal block | | | | | |

| Physical Characteristic | | | | | | |
|-------------------------|--|-------|-------|-------|-------|-------|
| Enclosure | IP-30 | | | | | |
| Dimension (W x D x H) | 52(W) x 106.1(D) x 144.3(H) mm (2.05x4.18x5.68 inch.) | | | | | |
| Weight (g) | 666 g | 677 g | 680 g | 680 g | 685 g | 685 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 | | | | | |
| Warranty | 5 years | | | | | |

> Ordering Information

IES-1 AA B CC - DD - EE

| Code Definition | 10/100TX Port Number | Additional Port Number | Additional Port Type | Fiber Optical Mode | Fiber Optical Connector |
|-----------------|--------------------------------|-----------------------------|---|---------------------------------------|-------------------------|
| Option | - 08: 8 ports - 06: 6 ports | - 0: 0 port - 2: 2 ports | - GT: 10/100/1000Base-T(X) - FX: 100FX - GF: 1000Base-X | - MM: Multi-mode - SS: Single-mode | - SC: SC connector |

| Available Model | Model Name | Description |
|-----------------|------------------|--|
| | IES-1080 | Industrial 8-port Unmanaged Ethernet Switch with 8x10/100TX |
| | IES-1062GT | Industrial 8-port Unmanaged Ethernet Switch with 6x10/100TX & 2x1000Base-T |
| | IES-1062FX-MM-SC | Industrial 8-port Unmanaged Ethernet Switch with 6x10/100TX & 2x100FX (Multi-mode) |
| | IES-1062FX-SS-SC | Industrial 8-port Unmanaged Ethernet Switch with 6x10/100TX & 2x100FX (Single-mode) |
| | IES-1062GF-MM-SC | Industrial 8-port Unmanaged Ethernet Switch with 6x10/100TX & 2x1000SX (Multi-mode) |
| | IES-1062GF-SS-SC | Industrial 8-port Unmanaged Ethernet Switch with 6x10/100TX & 2x1000LX (Single-mode) |