

IS-DG306P Series

6-port Gigabit unmanaged Layer 2 Industrial PoE Switch



The IS-DG306P Series full Gigabit unmanaged 6-port Ethernet Switches with 4 IEEE 802.3af/at PoE ports provide easy to use plug-n-play applications; a full Gigabit network provides higher throughput than legacy Fast Ethernet network. The cost effective IS-DG306P Series unmanaged switches can provide power and transmit data directly through a single Ethernet cable, which is ideal for factory production line or embedded into machine system. The IS-DG306P Series switches are especially suitable for CCTV, Factory automation, and building automation applications.



Key features

- ▶ 4 Giga Copper ports with 2 1000 SFP ports
- ▶ Support up to 4 port IEEE 802.3af/at ports (15.4/30Watt)
- ▶ Support 9K Jumbo frames
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ IEEE 802.3x flow control & back-pressure
- ▶ Layer 2 wire-speed switching engine
- ▶ Fan-Less design with wide-temperature range (-40~75°C)
- ▶ Redundant power input (46~57 VDC) & Reserve power protection
- ▶ Support Din-Rail or wall mount installation
- ▶ Support Relay Output Alarm
- ▶ IP 30 Protection

Specification

Ethernet

| | |
|------------------------------|--|
| Operating Mode | Store and Forward, L2 wire-speed/non-blocking switching engine |
| MAC addresses | 1K |
| Packet Buffer | 1Mbits |
| Jumbo frame | 9K |
| Backplane / Switching Fabric | 12Gbps |

RJ45 Copper ports

| | |
|-------------------------|---|
| Speed | 10/100/1000 Mbps |
| MDI/MDIX Auto-crossover | Support straight or cross wired cables |
| Auto-negotiation/Duplex | 10/100/1000 Mbps speed auto-negotiation; Full & Half Duplex |

Fiber Ports

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|----------------------|--|
| Port Types supported | 1000 Base SFP Slot |
| Fiber port connector | LC/RJ45 connector for fiber ports |
| Optimal fiber cable | Typical 50 or 62.5/125 μm for multimode (mm) Typical 8 or 9/125 μm for single mode (sm) |

Protocols & Standards

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|---|
| IEEE 802.3 , IEEE 802.3x, Flow Control, Back Pressure, TCP/UDP, IEEE 802.3af/at |
|---|

Power

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|--------------------------|--|
| Power Input | Redundant Power Input, DC Input, Terminal Block |
| Input Voltage Range | 46-57 VDC *12/24 VDC power input or 60W Ultra PoE output version are also available, please contact our sales manager for the detailed. |
| Reverse power protection | YES |
| Power Consumption | 6 Watt PSE: Max. 4 x 30W, 120 Watt total power budget |

Indicators

| | |
|--------------------------|--------------------|
| Power status indication | Power Input status |
| Ethernet port indication | Link & speed |

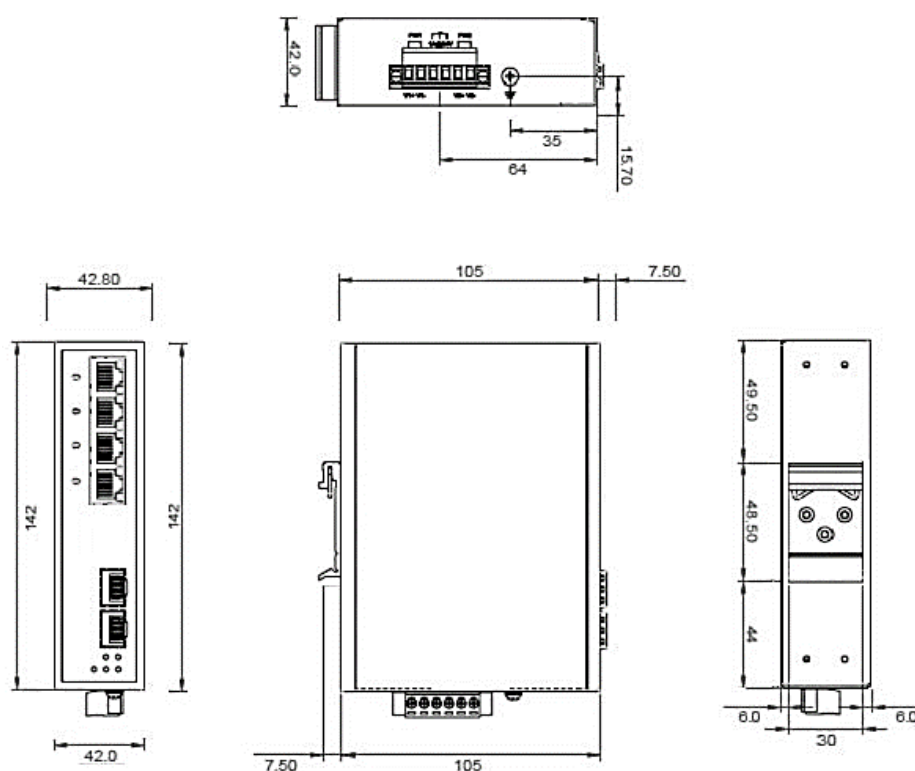
Environmental and Compliances

| | |
|-----------------------------|--|
| Operating Temperature | -40~75°C (Cold startup at -40°C) |
| Storage Temperature | -40~85°C |
| Humidity | 5~95% (Non-Condensing) |
| Vibration, shock, free fall | IEC-60068-2-6, -27, -32 |
| Certification Compliance | CE, FCC |
| Electrical safety | CE |
| EMC | FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 3) |
| RoHS & WEEE | RoHS (Pb free) and WEEE Compliant |
| MTBF | >25 years |

Mechanical

| | |
|--------------|----------------------------------|
| Protection | IP30 |
| Dimension | 142mmx43mmx105mm (LxWxD) |
| Weight | 590 g |
| Installation | DIN-Rail mounting; Wall mounting |
| Relay Output | 1A, 24V, Normal Open |

Dimension Diagram



Ordering Information

| Available Models | Description | 10/100/1000Mb TX | 1000Mb FX |
|------------------|--|------------------|-----------|
| IS-DG306P-2F-4 | Industrial 6 port Gigabit Layer 2 unmanaged Ethernet Switch, with 2 1000 SFP Slot ,4 PoE af/at | 4 | 2 |

*12/24 VDC power input or 60Watt Ultra PoE output is also available, please contact sales for the detailed.

Accessories

1. Gigabit SFP Modules
2. IS-RK2U 19" rack mount kit
3. IS-RK4U 19" rack mount kit

Package Checklist

- IS-DG306P Switch
- Quick Installation Guide (Printed)
- Wall Mount kit /Din-Rail kit