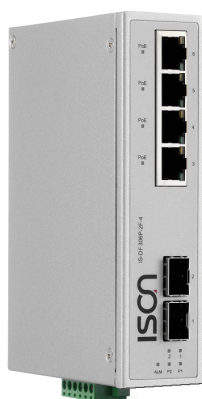


# IS-DG306P Series

## 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

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 $\mu$ m for multimode (mm) Typical 8 or 9/125 $\mu$ m for single mode (sm)

#### Protocols & Standards

IEEE 802.3 , IEEE 802.3x, Flow Control, Back Pressure, TCP/UDP, IEEE 802.3af/at
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#### Power

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

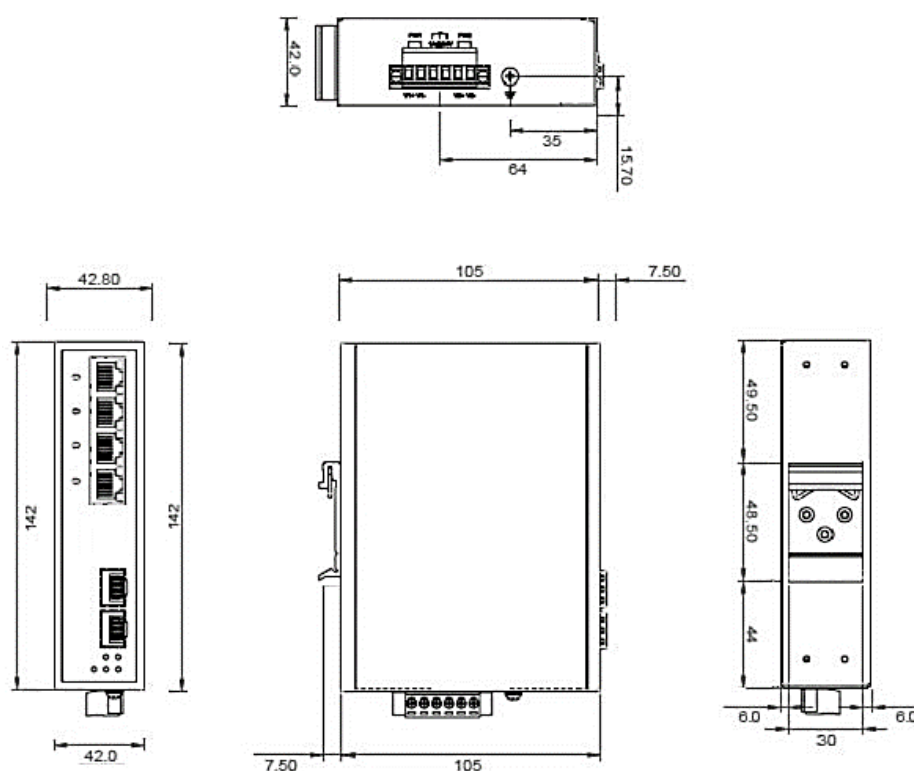
## Environmental and Compliances

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