

Simple, highly reliable  
network communication system

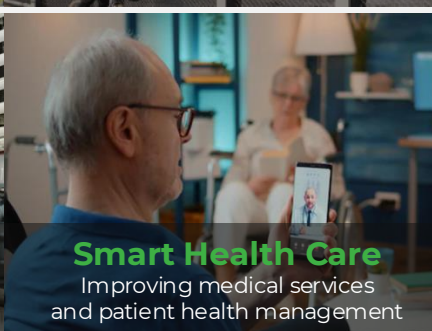
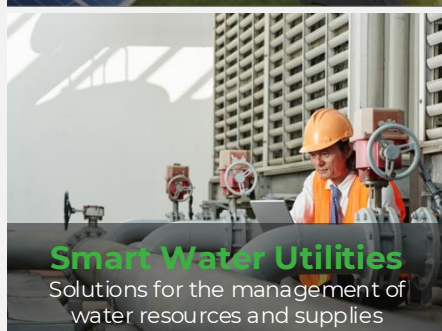
# ISE5X06D-P

Unmanaged Industrial Ethernet Switch

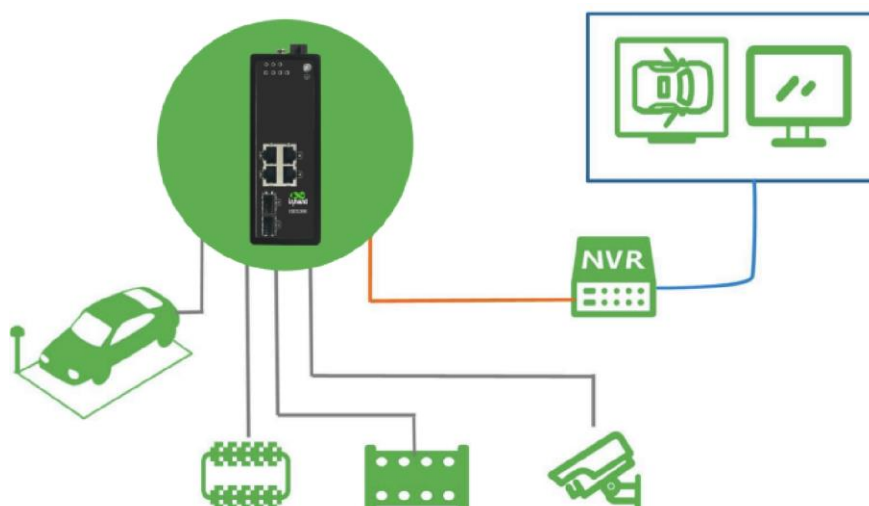


ISE5X06D is a product designed specifically for power, transportation, industrial control, and other demanding industrial environments. It integrates features like wide-temperature and wide-voltage design, as well as protected industrial circuits. The product supports plug-and-play function to enable fast and convenient deployment.

InHand Networks' industrial Ethernet switches can reliably address various challenging industrial application scenarios, providing customers with dependable solutions.



## Solution



## Features and Advantages

### ● Reliable industrial quality

The ISE5X06D industrial Ethernet switch features a robust metal casing, fanless design, IP40 protection rating, and an industrial-grade power supply design, ensuring stable communication in demanding industrial environments.

### ● International standard

The ISE5X06D complies with FCC, CE, ROHS standards.

It can extensively meet the demands of various industrial fields such as power, transportation, and industrial control.

### ● Simple and easy to manage

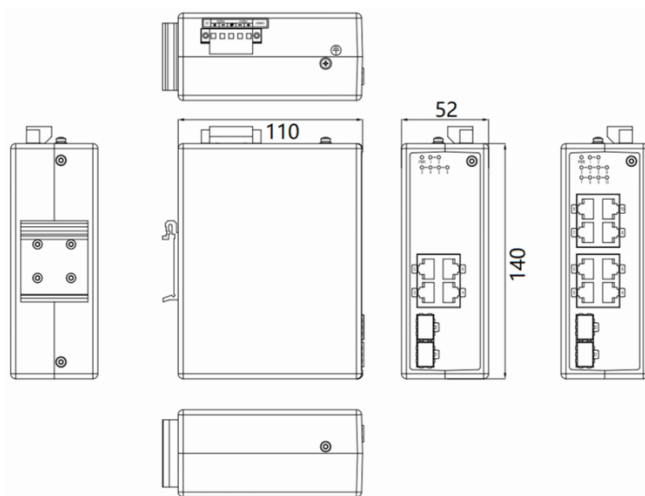
DIN rail mountable, compact size;

Plug-and-play, quick deployment.

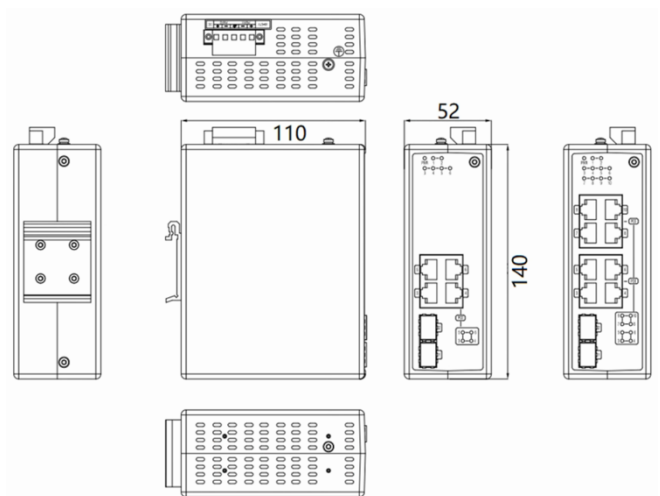


- Excellent EMC electromagnetic compatibility and radiation performance
- Support IEEE 802.3af/at compliant PoE
- Each PoE port provides up to 30W output power
- PoE management: PoE device detection, PoE power management
- Adopting redundant dual input power design

## Dimensions (mm)



ISE5006D Dimensional diagram



ISE5306D Dimensional diagram

52mm x 140mm x 110mm

| ISE5X06D Product specifications |   |
|---------------------------------|---|
| PoE (ISE5306D)                  |   |
| PoE 10/100/1000 BaseT Ports     | 4 ports   |
| Maximum Power                   | 15.4W (IEEE 802.3af); 30W (IEEE 802.3at)              |
| Physical Performance            |   |
| Enclosure                       | Fully enclosed seamless metal enclosure               |
| Dimensions                      | 52mm x 140mm x 110mm                                  |
| Protection Grade                | IP30 (ISE5306D) / IP40                                |
| Cooling Method                  | Fanless cooling                                       |
| Weight                          | 0.7kg   |
| Installation                    | DIN-rail mounting                                     |
| Storage Temperature             | -40 ~ +85°C   |
| Operating Temperature           | -40 ~ +75°C   |
| Ambient Relative Humidity       | 5 ~ 95% (non-condensing)                              |
| Hardware performance            |   |
| Backplane Bandwidth             | 20Gbps  |
| Processing Type                 | Store-and-Forward                                     |
| MAC Table Size                  | 4K  |
| Packet Buffer Size              | 1.5Mbits  |
| Exchange Rate                   | 148,800 pps / 100M ports; 1,488,000 pps / 1000M ports |

| ISE5X06D Product specifications |  |
|---------------------------------|--|
| Power Parameters                |  |
| Operating Voltage               | 18-60VDC, Redundant dual inputs (ISE5006D)<br>48-54VDC, Redundant dual inputs (ISE5306D)   |
| Overload Current Protection     | Supported  |
| Reverse Polarity Protection     | Supported  |
| Electromagnetic Characteristics |  |
| EMS                             | IEC(EN)61000-4-2, Class 4<br><br>IEC(EN)61000-4-3, Class 3<br><br>IEC(EN)61000-4-4, Class 4<br>IEC(EN)61000-4-5, Class 4<br><br>IEC(EN)61000-4-6, Class 3<br><br>IEC(EN)61000-4-9, Class 5 |
| Certifications                  |  |
| CE, FCC                         |  |
| Quality Assurance               |  |
| Warranty Period                 | 5 years  |
| MTBF                            | 35 years   |

Ordering Guide

| Model                   | Description   |
|-------------------------|---|
| ISE5006D-P-2GSFP-4GT-24 | Layer 2 unmanaged Industrial Switch. 2 * 100/1000BaseX SFP Ports (SFP module not included), 4 * 10/100/1000 BaseT Ports. IP40 Protection Class, Operating Temperature from -40°C to +75°C. Isolated Dual 18-60VDC Power Inputs                |
| ISE5306D-P-2GSFP-4GT-48 | Layer 2 unmanaged Industrial Switch. 2 * 100/1000BaseX SFP Ports (SFP module not included), 4 * 802.3af/at PoE 10/100/1000BaseT Ports. IP30 Protection Class, Operating Temperature from -40°C to +75°C. Isolated dual 48-54VDC Power Inputs. |

About Us

InHand Networks is a leading IoT solutions provider founded in 2001, dedicated to driving digital transformation across industries and empowering customers to unlock their full potential and achieve accelerated growth.

We specialize in delivering industrial-grade connectivity solutions for diverse sectors, such as enterprise networks, industrial and building IoT, digital energy, smart commerce, and mobility. Our comprehensive product portfolio and services cater to various applications worldwide, including smart manufacturing, smart grid, intelligent transportation, smart retail, etc. With a global footprint spanning over 60 countries, we serve customers in China, the United States, France, Germany, the United Kingdom, Italy, and beyond.



3650 Concorde Pkwy, Suite 200  
Chantilly, VA 20151, USA  
T: +1 (703) 348-2988  
E: info@inhand.com  
www.inhand.com