InHand Networks

Simple, highly reliable
network communication system

ISE5X06D-P

Unmanaged Industrial Ethernet Switch

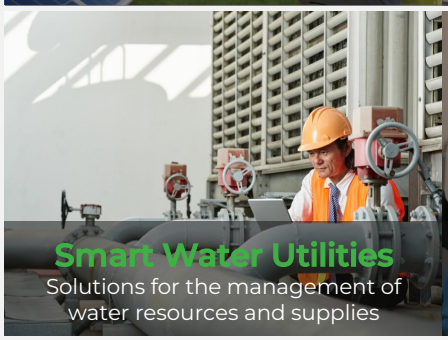
ISE5X06D is a product designed specifically for power, transportation, industrial control, and other demanding industrial environments. It integrates features like wide-temperature and wide-voltage design, as well as protected industrial circuits. The product supports plug-and-play function to enable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

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

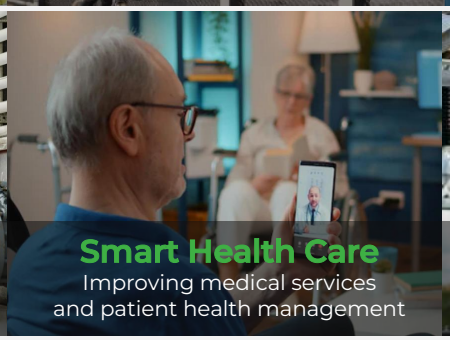
Smart Energy
Focusing on energy efficiency and sustainable development

Smart City
Improving urban management and public services

Smart Manufacturing
Real-time monitoring and controlling



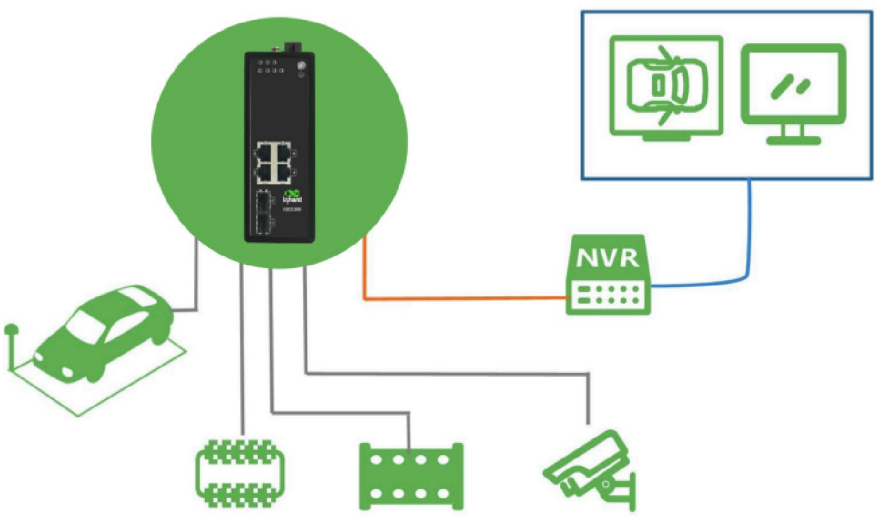
Smart Water Utilities
Solutions for the management of water resources and supplies



Smart Health Care
Improving medical services and patient health management

Public Utility
Improving the efficiency and convenience of public services

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.

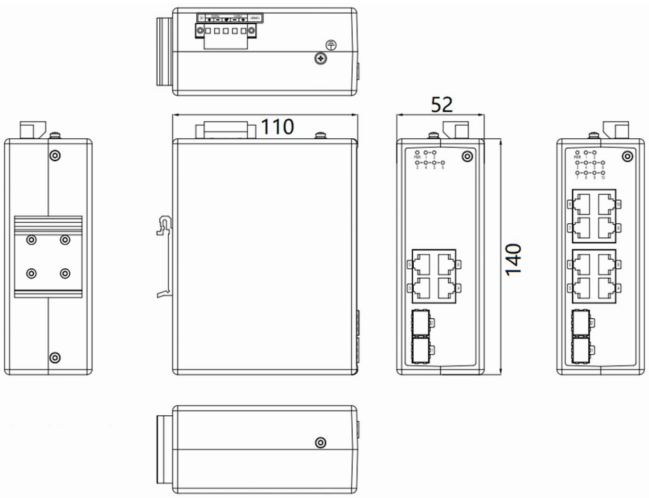
Simple and easy to manage

DIN rail mountable, compact size;

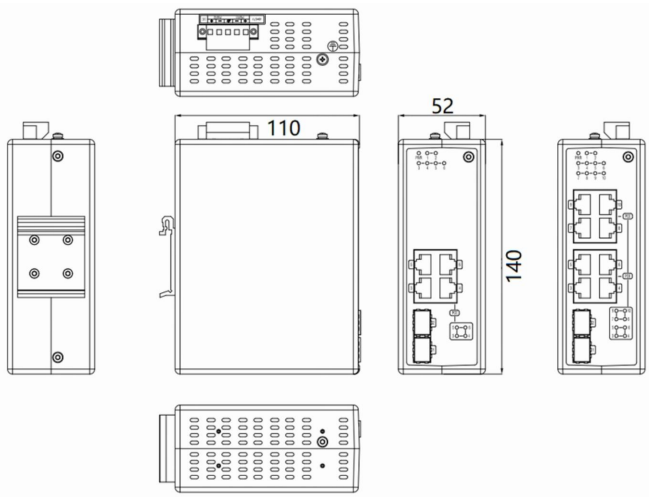
Plug-and-play, quick deployment.

- Excellent EMC electromagnetic compatibility and radiation performance
- Supports IEEE 802.3af/at PSE (Power Sourcing Equipment)
- 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

Product Specifications

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（ISE5006D）
Cooling Method	Fanless cooling
Weight	0.7kg
Installation	DIN-rail mounting
Storage Temperature	-40 ~ +85℃
Operating Temperature	-40 ~ +75℃
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) 48-54VDC, Redundant dual inputs (ISE5306D)
Overload Current Protection	Supported
Reverse Polarity Protection	Supported
Electromagnetic Characteristics	
EMS	IEC(EN)61000-4-2, Class 4 IEC(EN)61000-4-3, Class 3 IEC(EN)61000-4-4, Class 4 IEC(EN)61000-4-5, Class 4 IEC(EN)61000-4-6, Class 3 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.

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