

Simple, highly reliable
network communication system

ISE2005D-P

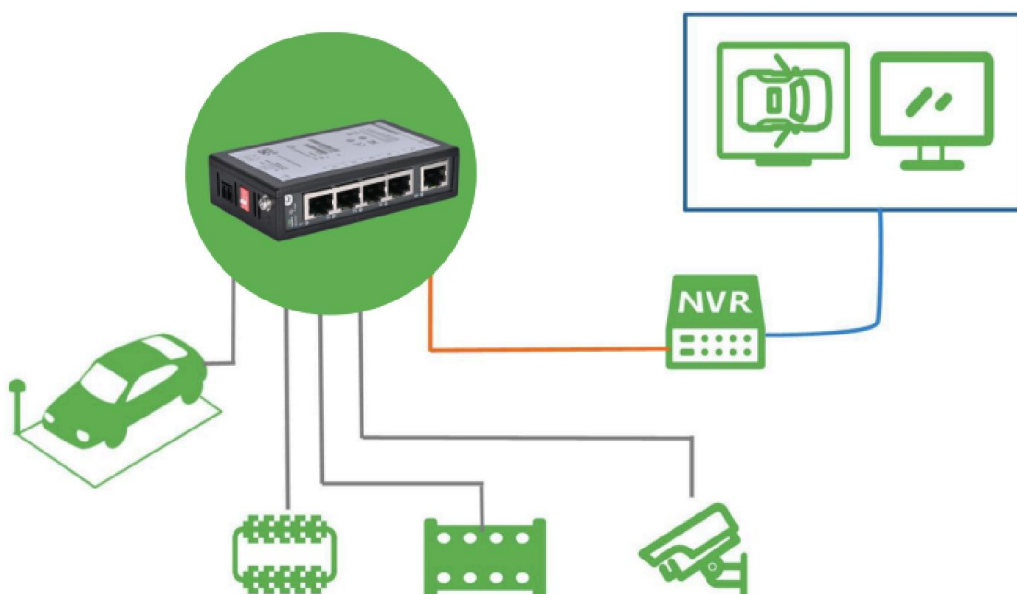
Unmanaged Industrial Ethernet Switch



ISE2005D 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.

Solutions



Advantages and Features

- + QoS supported to process critical data in heavy traffic
- + Excellent EMC electromagnetic compatibility and radiation performance.
- + users to enable or disable the Quality of Service (QoS) function, and broadcast storm protection (BSP) with DIP switches on the outer panel.
- + Adopting redundant dual input power design
- + IP30 protection class
- + Possessing a store-and-forward mechanism

● Reliable industrial quality

The ISE series have a rugged metal enclosure and protective coating, providing resistance to pressure and corrosion. The entire series features a fanless design, IP30 protection, and is dust and dirt resistant. It supports wide temperature operation.

With an industrial-grade power design, wide voltage input, it ensures stable communication in harsh industrial environments. The product's MTBF (Mean Time Between Failures) is over 35 years.

● International standard

The product complies with FCC, CE, ROHS, and UL standards.

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

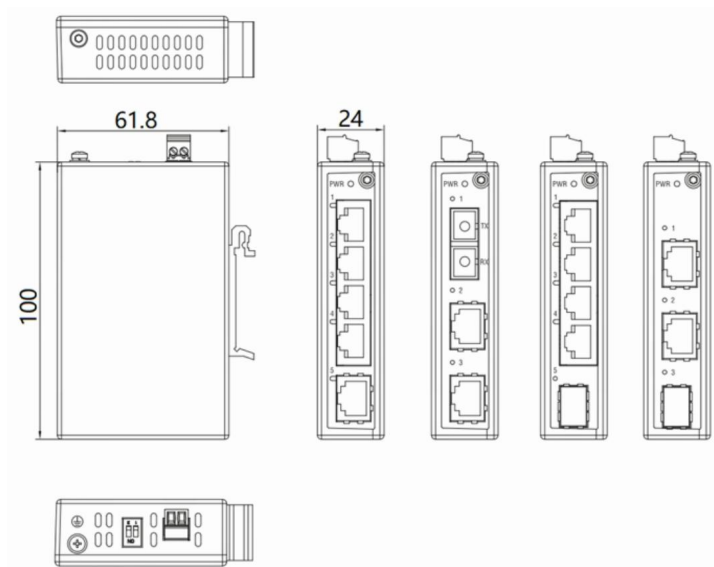
● Simple and easy to manage

DIN rail mountable, compact size;

Plug-and-play, quick deployment.

Product dimensions(mm)

ISE2005D Dimensional diagram



24mm x 100mm x 61.8mm

Product specifications

ISE2005D Product specifications				
Project		ISE2005D-P-5T-24		
Interface				
10/100BaseT(X) Ports		5 ports		
Physical Performance				
Enclosure		Fully enclosed seamless metal enclosure		
Dimensions		24mm x 100mm x 61.8mm		
Protection Grade		IP30	Weight	0.23 kg
Cooling method		Fanless cooling	Installation	DIN-rail mounting
Storage Temperature		-40 ~ +85℃	Operating Temperature	-40 ~ +75℃
Ambient Relative Humidity		5 ~ 95% (non-condensing)		
Hardware performance				
Backplane Bandwidth		16 Gbps	Switching delay	<10 us
MAC Table Size		4 K	Packet Buffer Size	1.5 Mbits
Processing Type		Store-and-Forward	Power Consumption	5W
DIP switch (Ethernet interface)		Quality of Service (QoS), Broadcast Storm Protection (BSP)		

ISE2005D Product specifications			
Project	ISE2005D-P-5T-24		
Power Parameters			
Operating Voltage	9.6-60 VDC & 18-30 VAC, Redundant dual input		
Overload Current Protection	Supported	Reverse Polarity Protection	Supported
Electromagnetic Characteristics			
EMS	IEC(EN)61000-4-2, Class 3		
	IEC(EN)61000-4-3, Class 3		
	IEC(EN)61000-4-4, Class 3		
	IEC(EN)61000-4-5, Class 3		
	IEC(EN)61000-4-6, Class 3		
	IEC(EN)61000-4-8, Class 5		
IEC(EN)61000-4-18, Class 3			
Certifications			
CE , FCC , UL			
Quality Assurance			
Warranty Period	5 years	MTBF	35 years

Recommended Models

Model	Description
ISE2005D-P-5T-24	5-port Layer 2 unmanaged Industrial Switch . 5 * 10/100BaseT Ports. IP30 Protection Class, Operating Temperature from -40° C to +75° C. 12/24/48 VDC (9.6~60VDC) & 24VAC (18~30 VAC) Power Input (Only connect to class 2 power supply).

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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