

Simple, highly reliable
network communication system

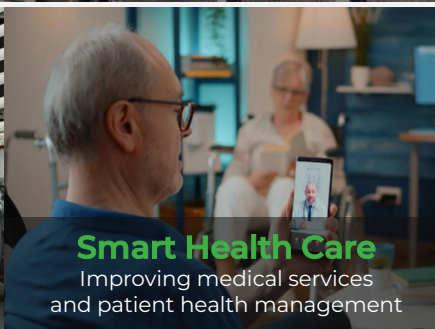
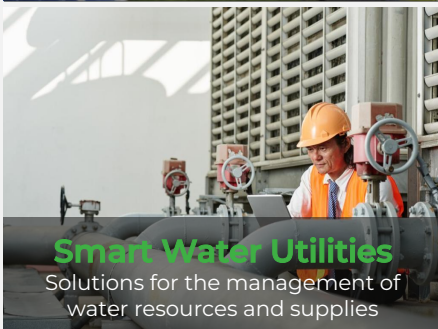
ISE2005D-P

Unmanaged Industrial Ethernet Switch

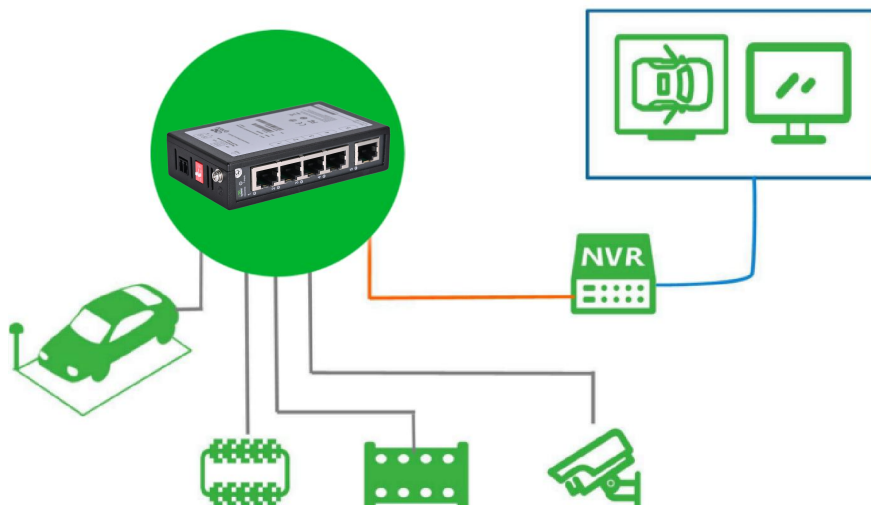


ISE2005D is a product designed specifically for power, transportation, industrial control, and other demanding industrial environments. It integrates features like wide-temperature and wide-voltage design, as well as protected industrial circuits. The product supports plug-and-play function to enable fast and convenient deployment.

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



Solution



Features and Advantages

Reliable industrial quality

The ISE2005D industrial Ethernet switch features a robust metal casing, fanless design, IP30 protection rating, and an industrial-grade power supply design, ensuring stable communication in demanding industrial environments.

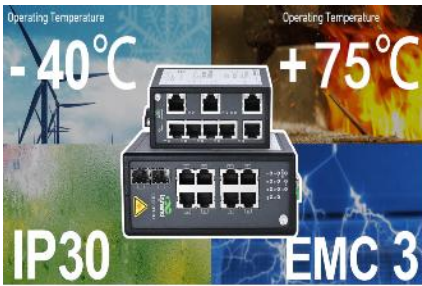
International standard

The ISE2005D 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.

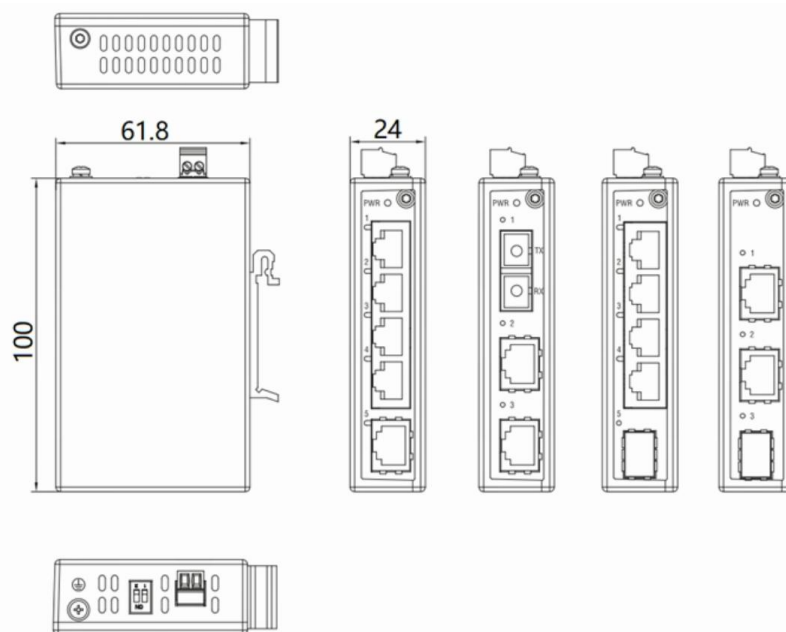
Simple and easy to manage

DIN rail mountable, compact size;
Plug-and-play, quick deployment.



- Excellent EMC electromagnetic compatibility and radiation performance
- QoS supported to process critical data in heavy traffic
- Adopting redundant dual input power design
- Possessing a store-and-forward mechanism
- The QoS (Quality of Service) function and BSP (Broadcast Storm Protection) can be enabled or disabled through dip switch settings.

Dimensions (mm)



24mm x 100mm x 61.8mm

ISE2005D Product specifications	
Physical Performance	
Enclosure	Fully enclosed seamless metal enclosure
Dimensions	24mm x 100mm x 61.8mm
Protection Grade	IP30
Cooling Method	Fanless cooling
Weight	0.23kg
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	16Gbps
MAC Table Size	4K
Packet Buffer Size	1.5Mbits
Processing Type	Store-and-Forward
Switching delay	<10us
DIP switch (Ethernet interface)	Quality of Service (QoS), Broadcast Storm Protection (BSP)

ISE2005D Product specifications	
Power Parameters	
Operating Voltage	9.6~60 VDC & 18~30 VAC, Redundant dual input
Overload Current Protection	Supported
Reverse Polarity Protection	Supported
Power Consumption	5W
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

DIP Switch Settings				
Users can use the DIP switch on the device panel to enable/disable Quality of Service (QoS) and Broadcast Storm Protection (BSP) functions.				
Fast Ethernet Switch DIP Switch Settings:				
DIP Switch Function	Setting	Description		
Quality of Service (QoS)	On	Enables the QoS function, which can process packet priorities in 2 WRR queues. The QoS priority mapping matrix in each queue:		
		QoS Priority	7,6,5,4	3,2,1,0
		Queue	1	0
	WRR Weight	16	1	
	Off	Disables the QoS function.		
Broadcast Storm Protection (BSP)	On	Enables broadcast storm protection for all ports (allows a maximum of 200 broadcast packets per second).		
	Off	Disables the broadcast storm protection function.		

Ordering Guide

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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