

Simple, highly reliable
network communication system

ISE3018D-P

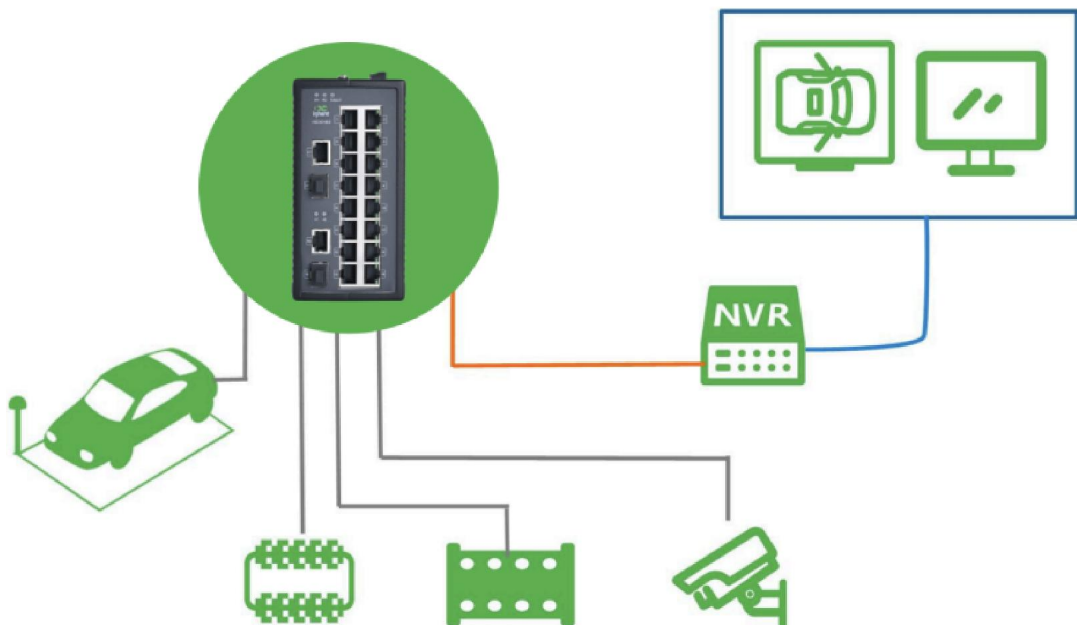
Unmanaged Industrial Ethernet Switch



ISE3018D 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.

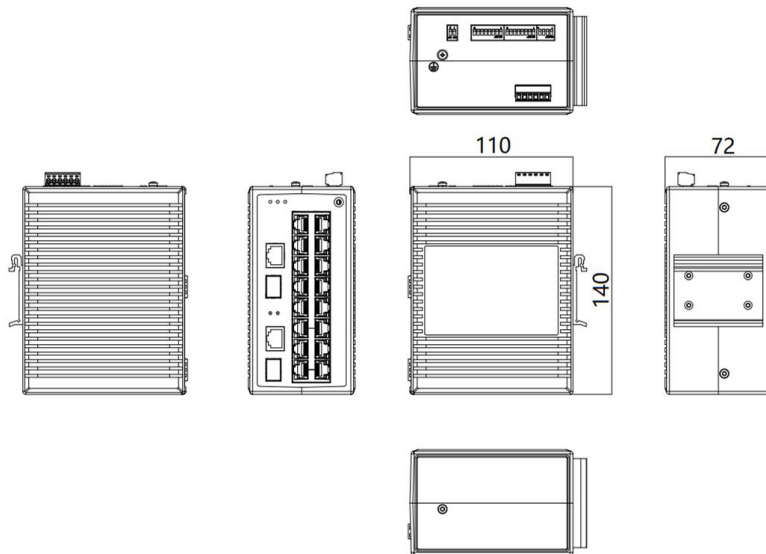
● Simple and easy to manage

DIN rail mountable, compact size;

Plug-and-play, quick deployment.

Product dimensions(mm)

ISE3018D Dimensional diagram



72mm x 140mm x 110mm

Product specifications

ISE3018D Product specifications				ISE3018D Product specifications			
Project	ISE3018D-P-2GC-16T-24			Project	ISE3018D-P-2GC-16T-24		
Physical Performance				Power Parameters			
Enclosure	Fully enclosed seamless metal enclosure			Operating Voltage	9.6-60 VDC & 18-30 VAC, Redundant dual input		
Dimensions	72mm x 140mm x 110mm			Overload Current Protection	Supported	Reverse Polarity Protection	Supported
Protection Grade	IP30	Weight	1.2 kg	Electromagnetic Characteristics			
Cooling Method	Fanless cooling	Installation	DIN-rail mounting	EMS	IEC(EN)61000-4-2, Class 3		
Storage Temperature	-40 ~ +85°C	Operating Temperature	-40 ~ +75°C		IEC(EN)61000-4-3, Class 3		
Ambient Relative Humidity	5 ~ 95% (non-condensing)				IEC(EN)61000-4-4, Class 3		
Hardware performance					IEC(EN)61000-4-5, Class 3		
Backplane Bandwidth	8.8 Gbps	Switching Delay	<10 us		IEC(EN)61000-4-6, Class 3		
MAC Table Size	8 K	Packet Buffer Size	4 Mbits		IEC(EN)61000-4-8, Class 5		
Processing Type	Store-and-Forward	Power Consumption	10 W	IEC(EN)61000-4-18, Class 3			
DIP Switch (Ethernet Interface)	Quality of Service (QoS), Broadcast Storm Protection (BSP), Power Alarm, Port Alarm, Alarm Buzzer			Certifications			
				CE , FCC , UL			
				Quality Assurance			
				Warranty Period	5 years	MTBF	35 years

Recommended Models

Model	Description
ISE3018D-P-2GC-16T-24	18-port Layer 2 unmanaged Industrial Switch. 16 * 10/100BaseT Ports + 2 * 100/1000Base(X/T) Combo Ports (SFP not included). DIP-enabled Sound & Light Alarm Output & 1 Alarm Relay port (1A@24VDC). IP30 Protection Class, Operating Temperature from -40° C to +75° C. Dual 12/24/48 VDC (9.6-60 VDC) & 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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