

Simple, highly reliable  
network communication system

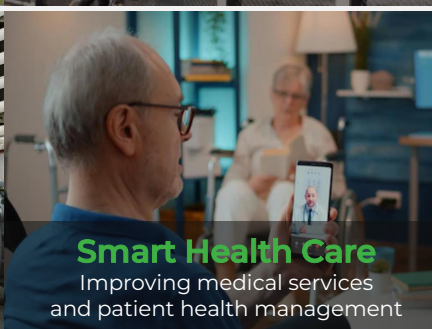
# ISE3018D-P

Unmanaged Industrial Ethernet Switch

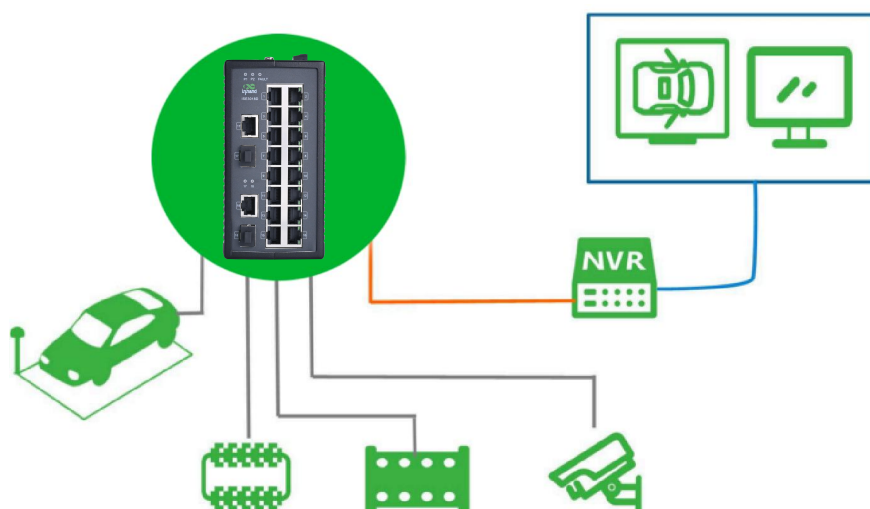


ISE3018D is a product designed specifically for power, transportation, industrial control, and other demanding industrial environments. It integrates features like wide-temperature and wide-voltage design, as well as protected industrial circuits. The product supports plug-and-play function to enable fast and convenient deployment.

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



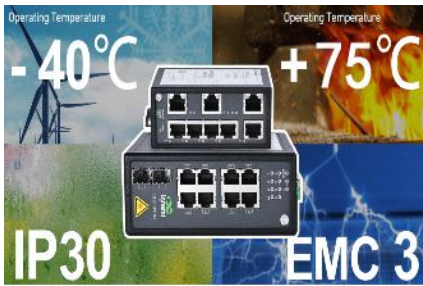
## Solution



## Features and Advantages

### Reliable industrial quality

The ISE3018D 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 ISE3018D 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

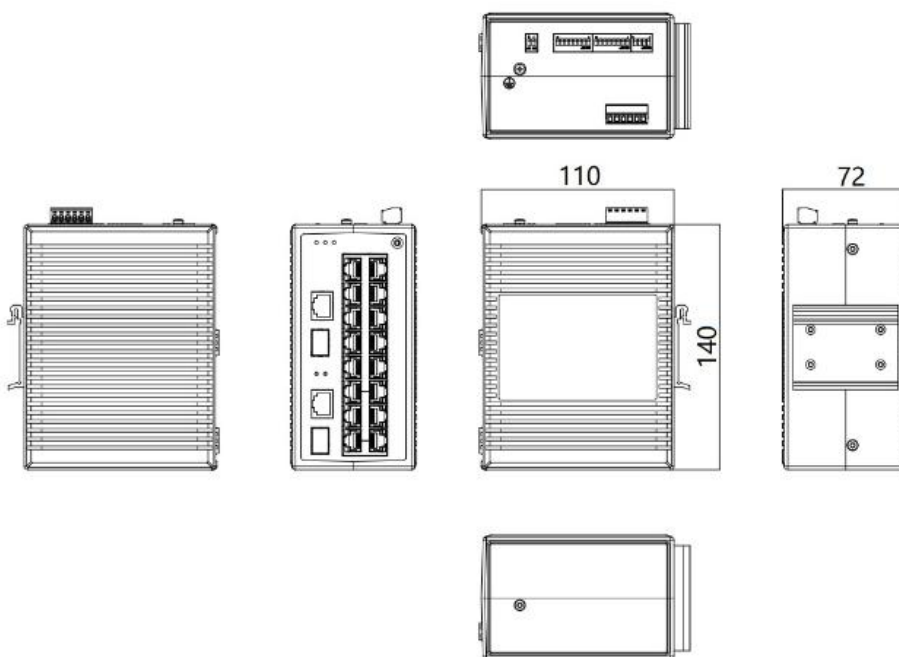
DIN rail mountable, compact size;

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)



72mm x 140mm x 110mm

## Product Specifications

ISE3018D Product specifications	
Physical Performance	
Enclosure	Fully enclosed seamless metal enclosure
Dimensions	72mm x 140mm x 110mm
Protection Grade	IP30
Cooling Method	Fanless cooling
Weight	1.2kg
Installation	DIN-rail mounting
Storage Temperature	-40 ~ +85℃
Operating Temperature	-40 ~ +75℃
Ambient Relative Humidity	5 ~ 95% (non-condensing)
Hardware performance	
Backplane Bandwidth	8.8Gbps
MAC Table Size	8K
Packet Buffer Size	4Mbits
Processing Type	Store-and-Forward
Switching delay	<10us
DIP switch (Ethernet interface)	Quality of Service (QoS), Broadcast Storm Protection (BSP), Power Alarm, Port Alarm, Alarm Buzzer

ISE3018D 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	10W
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

## Ordering Guide

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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