

Simple, highly reliable
network communication system

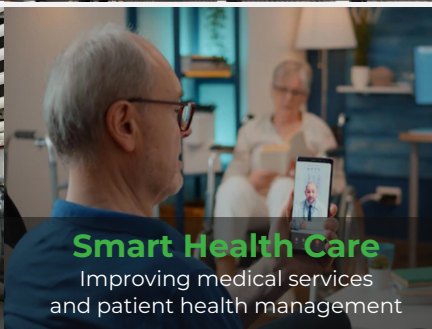
ISE2016D-P

Unmanaged Industrial Ethernet Switch

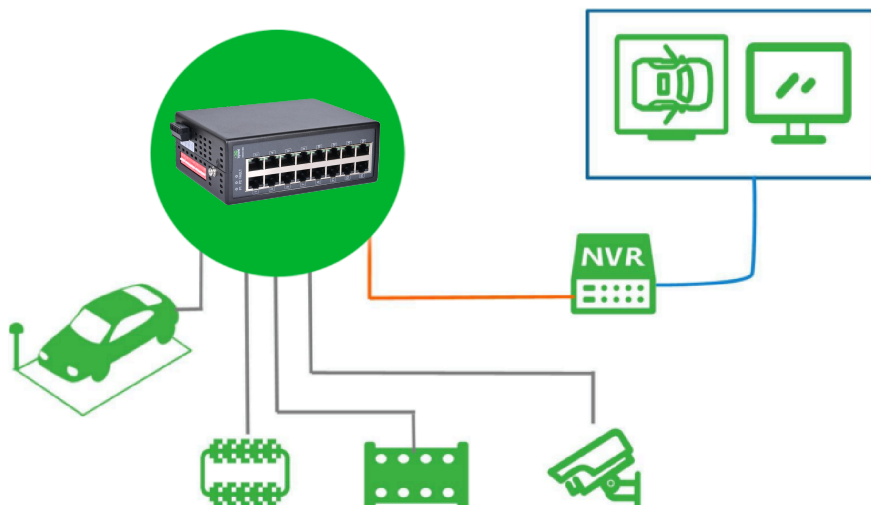


ISE2016D is a product designed specifically for power, transportation, industrial control, and other demanding industrial environments. It integrates features like wide-temperature and wide-voltage design, as well as protected industrial circuits. The product supports plug-and-play function to enable 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 ISE2016D 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.

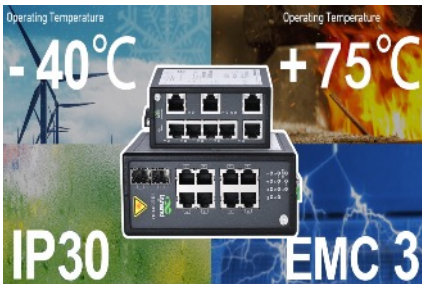
International standard

The ISE2016D 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.

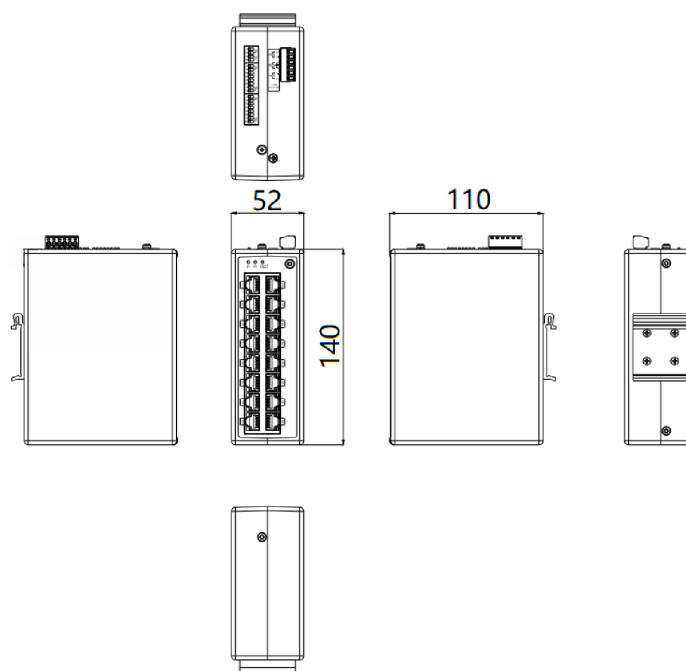
Simple and easy to manage

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)



52mm x 140mm x 110mm

Product Specifications

| ISE2016D Product specifications | |
|---------------------------------|---|
| Physical Performance | |
| Enclosure | Fully enclosed seamless metal enclosure |
| Dimensions | 52mm x 140mm x 110mm |
| Protection Grade | IP30 |
| Cooling Method | Fanless cooling |
| Weight | 1 kg |
| 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 | 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 |

| ISE2016D 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 |
|-------------------|---|
| ISE2016D-P-16T-24 | 16-port Layer 2 unmanaged Industrial Switch. 16 * 10/ 100BaseT Ports. 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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