ISE1008D Series
Unmanaged Industrial Ethernet Switch

- Compact design
- Rugged with EMC level 3
- Simple plug and play, provided with DIN-Rail or wall mount options
- Dip switch provides broadcast storm protection
- Wide working temperature -40 ~ 75℃
- DC12-48V voltage input, voltage fluctuation tolerance +/-20%

Product Overview

The ISE1008D is 8-port DIN-Rail entry level unmanaged industrial Ethernet switches designed for applications in electric power, transportation, industrial control and other harsh industrial environments. It integrates a wide temperature range, high voltage tolerance, enterprise-class forwarding performance, strong cabinet, protected industrial circuits and other industrial features. It is capable of plug and play, and can satisfy reliability requirements in the harsh industrial environment.

Product Features

- **Strong and Reliable Industrial Quality**

  - Reliable working in Power, Transportation, Industrial applications

  - Excellent EMC/EMI and anti-radiation performance

    - IP40 seal protection, and dust proof, stain proof and debris proof

    - Wide working temperature at -40 ~ 75℃, wide working voltage 24VDC(12~48VDC)

    - Redundant power input and industrial-class surge protection

    - Strong metal cabinet with corrosion-proof coating
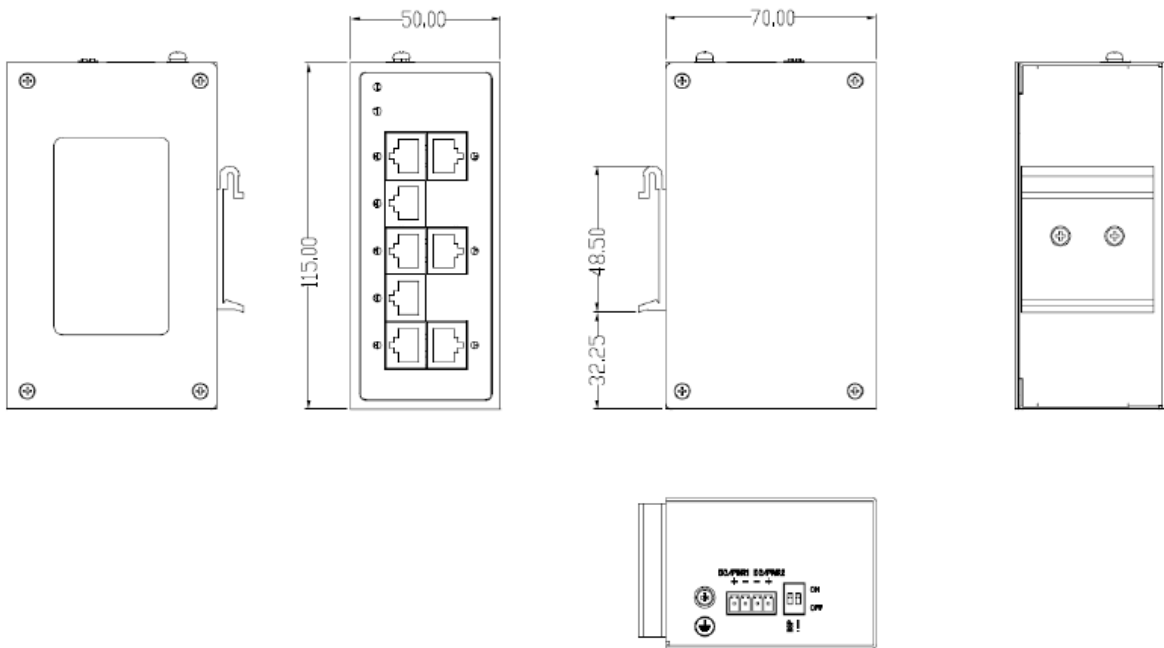
- **Easy to use**

  - Plug and play, fast deployment

■ High-speed forwarding ensure real-time data transfer

- Support DIN-Rail mounting, compact design for different applications
- Dip switch to Enable/Disable Broadcast storm, flow control function
- Support IEEE 802.3x flow control,
- Forwarding inertial delay <4us

Product Specification

Item		ISE1008D
Interface	RJ45 port	10/100Base-T(X) auto-sensing
	FX fiber port	100Base-FX (SC/ST/FC)
	LED indication	PWR1,PWR2, FX
Mechanical structure	Housing	IP40 protection class, fully enclosed and seamless metal cabinet, PCB protection coating available
	Dimension (mm)	50x115x70
	Weight	0.6 Kg
	Heat dissipation	Fanless heat dissipation
	Installation	DIN-Rail and Wall Mounting (kit optional)
	MTBF	35 years
Power source	Input voltage	24 VDC (12~48 VDC), support redundant inputs
	Interface terminal	4-pin pluggable screw connection terminal
	Overload protection	Available
	Reverse polarity protection	Available
	Power consumption	< 5 W
Working environment	Working temperature	-40 ~ +75　C
	Storage temperature	-40 ~ +85　C
	Relative humidity	5% ~ 95% (free of condensation)
Switching performance	Forwarding inherent time delay	< 4μs
	Backplane bandwidth	1.6 Gbps
	MAC address table	2k

Item		ISE1008D
	Data package buffer	1Mbit
	Ethernet Standards	IEEE 802.3 for 10Base-T
		IEEE 802.3u for 100Base-T(X) and 100Base-FX
		IEEE 802.3x for flow control
	Port Flow Control	Support IEEE 802.3x flow control and backpressure type flow control
	Dip Switch	Enable/Disable Broadcast Storm control, flow control
Industrial standard	Electromagnetic compatibility	ESD Electrostatic Discharge Immunity: EN61000-4-2, Level 3
		RFI Radio Frequency Immunity: EN61000-4-3, Level 3
		EFT Electrical Fast Transient/Burst Immunity: EN61000-4-4, Level 3
		Surge Immunity: EN61000-4-5, level 3
		Immunity to Conducted Disturbances: EN61000-4-6, Level 3
		Power frequency magnetic field: EN61000-4-8, Level 4
	Shock Test	IEC60068-2-27
	Free Fall	IEC60068-2-32
	Vibration	IEC60068-2-6
Certification		CE
Warranty		5 years

Dimensions(mm)

DIN-Rail Mount

Ordering Information

Product Model Standard Temperature	Product Model Wide Temperature	Port			
		10/100 Base-T(X)	100BaseFX optical port(SC/ST/FC)		
			Multimode double fiber	Single mode dual fiber	Single mode single fiber
ISE1008DS-8T-24	ISE1008D-8T-24	8	-	-	-
ISE1008DS-7T-M-24	ISE1008S-7T-M-24	7	1	-	-
ISE1008DS-7T-S-24	ISE1008D-7T-S-24	7	-	1	-
ISE1008DS-7T-B-24	ISE1008D-7T-B-24	7	-	-	1
ISE1008DS-6T-2M-24	ISE1008D-6T-2M-24	6	2	-	-
ISE1008DS-6T-2S-24	ISE1008D-6T-2S-24	6	-	2	-
ISE1008DS-6T-2B-24	ISE1008D-6T-2B-24	6	-	-	2

Note:

☑ Multimode double fiber supports 2km; single mode duplex fiber support 20/40/80/120KM;Single mode single fiber supports 20/40/60/80/120KM

☑ Power supply default is DC24V low-voltage

InHand Networks

InHand Networks provides reliable, secured and intelligent M2M solution for electric power, industrial automation, commercial and medical devices. Recognized by world class customers and partners. Proven by a large install base. Expanding with intensive investments in research and development. Enduring for long-term support.

InHand Networks has become leader in industrial grade network technology by providing industrial cellular routers, industrial Ethernet switches, wireless sensor network devices and cloud based M2M platforms.

Connecting devices, enabling service.

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