

ISE5008D Series

Unmanaged Full Gigabit Industrial Ethernet Switch



- Multiple port combination: 8- RJ45 port; 1- RJ45 port + 7-FX fiber port; 2- RJ45 port + 6-FX fiber port
- Compact design for easy integration
- Rugged with EMC level 3
- Working temperature -40 ~ +75°C (Wide working temperature model)
- Industrial redundant power, DC12-45VDC voltage input, voltage fluctuation tolerance +/-20%

Product Overview

The ISE5008D is 8-port (2 SFP Max) full gigabit unmanaged industrial Ethernet switch, which is designed for applications in electric power, transportation, industrial control and other harsh industrial environments. It is also ideal for video capture on full gigabit. The relay alarm output function makes it easier for field engineers to conduct timely maintenance. The ISE5008D can deliver you with cost-effective industrial gigabit Ethernet networking solutions.

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°C, wide working voltage 24VDC(12~45VDC)
 - Redundant power input and industrial-class surge protection
 - Strong metal cabinet with corrosion-proof coating

☞ Easy to use

- Plug and play, fast deployment

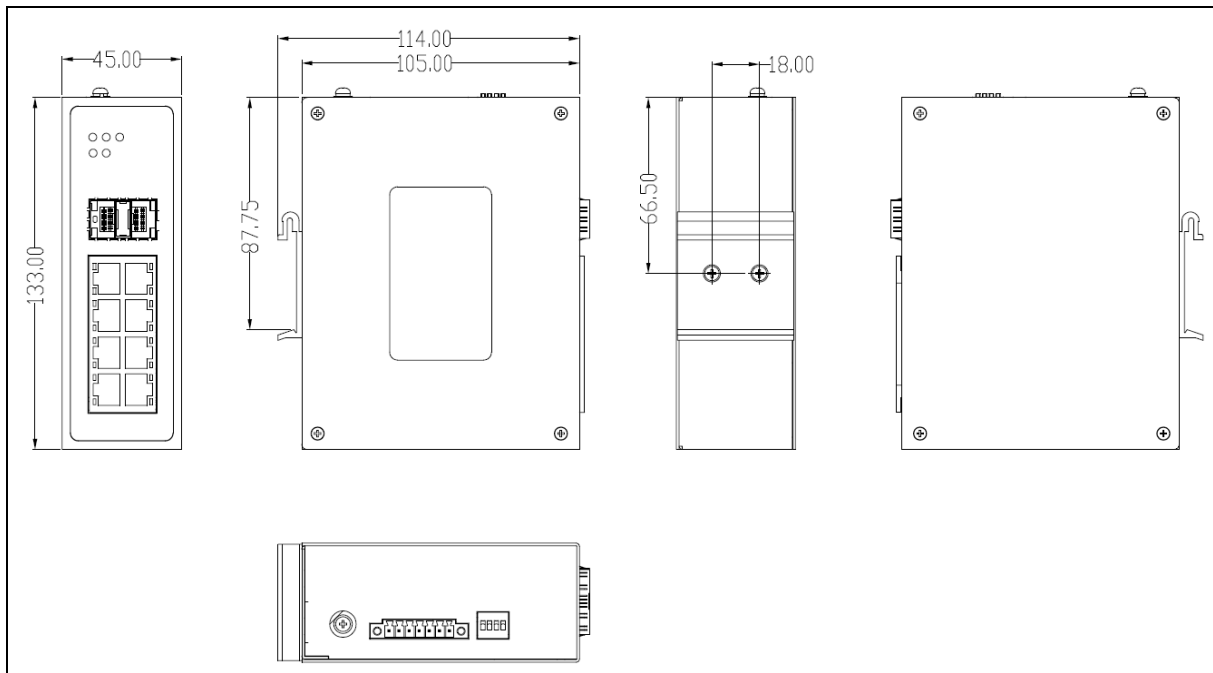
- High-speed forwarding ensure real-time data transfer
 - Support DIN-Rail mounting, compact design for different applications
 - Dip switch to Enable/Disable Broadcast storm, flow control function
 - Support IEEE 802.3x flow control,
 - Full gigabit design, forwarding inertial delay <3us, meeting real-time requirement
 - Enable Port Flow Control by default, ensure data forwarding

Product Specification

Item		ISE1008D
	RJ45 port	10/100/1000 Base-T Ethernet Ports
Interface	SFP Slot	1000BaseSFP slot
	LED indication	PWR1,PWR2, Fault, Speed (1000), Link/ACT
Mechanical structure	Housing	IP40 protection class, metal cabinet
	Dimension (mm)	45x133x105
	Weight	0.6 Kg
	Heat dissipation	Fanless heat dissipation
	Installation	DIN-Rail/ Wall Mounting
	MTBF	35 years
Power source	Input voltage	24 VDC (12~45 VDC), safe low voltage
	Redundant Power	Support
	Interface terminal	7-pin pluggable screw connection terminal
	Overload protection	Available
	Reverse polarity protection	Available
	Power consumption	< 12 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	< 3μs
	Backplane bandwidth	16 Gbps

Item		ISE1008D
	Data package buffer	1Mbit
Function Features	Ethernet standard	IEEE 802.3 for 10Base-T
		IEEE 802.3u for 100Base-T(X)
		IEEE 802.3ab for 1000Base-T or 1000Base-X
		IEEE 802.3x for flow control
	Relay alarm output	Rated control capacity: 2A@30V DC
		Maximum allowable power: 60W
		Maximum allowable voltage: 220V DC
Maximum allowable current: 2A DC		
Port flow control	IEEE 802.3x flow control and backpressure type flow control	
Dip switch	Support enabling/disabling of broadcast storm protection, flow control and port connection interruption alarm via hardware dip switch	
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

1. Product Ordering Information

Available Models		Port	
Wide Temperature	Standard Temperature	Full Gigabit Ethernet Port	
(-40~75°C)	(0-60°C)	10/100/1000Base-T	Combo Port
ISE5008D-2GC-6GT-24	ISE5008DS-2GC-6GT-24	6	2

Note: Optical module is not included.

2. SFP Optical Module Ordering Information

Name	Description
SFP-GT-RJ45	Electrical module-SFP-GT-(RJ45)
SFP-GX-SXM8-LC	Optical module-SFP-GX-multi-mode dual fiber -(850nm,0.5km,LC)
SFP-GX-SXM3-LC	Optical module-SFP-GX-multi-mode dual fiber -(1310nm,0.5km,LC)
SFP-GX-LXS3-LC	Optical module-SFP-GX-single-mode dual fiber -(1310nm,20km,LC)
SFP-GX-LXS5-LC	Optical module-SFP-GX-single-mode dual fiber -(1550nm,20km,LC)
SFP-GX-LH40S3-LC	Optical module-SFP-GX-single-mode dual fiber -(1310nm,40km,LC)
SFP-GX-LH40S5-LC	Optical module-SFP-GX-single-mode dual fiber -(1550nm,40km,LC)

Name	Description
SFP-GX-LH80S5-LC	Optical module-SFP-GX-single-mode dual fiber -(1550nm,80km,LC)
SFP-GX-LH100S5-LC	Optical module-SFP-GX-single-mode dual fiber -(1550nm,100km,LC)
SFP-GX-SXB35-LC	Optical module-SFP-GX-single-mode single fiber-(TX1310/RX1550nm,0.5km,LC)
SFP-GX-SXB53-LC	Optical module-SFP-GX-single-mode single fiber -(TX1550/RX1310nm,0.5km,LC)
SFP-GX-LXB35-LC	Optical module-SFP-GX-single-mode single fiber -(TX1310/RX1550nm,10km,LC)
SFP-GX-LXB53-LC	Optical module-SFP-GX-single-mode single fiber -(TX1550/RX1310nm,10km,LC)
SFP-GX-LH40B35-LC	Optical module-SFP-GX-single-mode single fiber -(TX1310/RX1550nm,40km,LC)
SFP-GX-LH40B53-LC	Optical module-SFP-GX-single-mode single fiber -(TX1550/RX1310nm,40km,LC)
SFP-GX-LH80B45-LC	Optical module-SFP-GX-single-mode single fiber -(TX1490/RX1510nm,80km,LC)
SFP-GX-LH80B54-LC	Optical module-SFP-GX-single-mode single fiber -(TX1550/RX1490nm,80km,LC)
SFP-GX-LH100B45-LC	Optical module-SFP-GX-single-mode single fiber -(TX1490/RX1550nm,100km,LC)
SFP-GX-LH100B54-LC	Optical module-SFP-GX-single-mode single fiber -(TX1550/RX1490nm,100km,LC)

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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