10 IFS-500

5x FE RJ45

- *Provides a DIP-Switch to Set Functions*
- *Supports Power Failure Alarm Message by Relay*
- *12/24/48VDC (9.6~60VDC) Redundant Dual Power Input*
- *IP30, Rugged Metal Housing, Fanless*
- *EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC Certified*

The industrial unmanaged Ethernet switch IFS-500 provides stable and reliable Ethernet transmission, features 5 ports 10/100Base-TX UTP. Housed in rugged enclosures, designed for harsh environments, fanless, high MTBF, supports wide operating temperature, and redundant 12/24/48VDC power input, it is suitable for heavy-duty applications such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

Features

- Wide operating temperature -40 ~ 75°C (-E model)
- Provides broadcast storm protection
- Supports DIP SW for alarm setting and broadcast storm protection
- Supports flow control

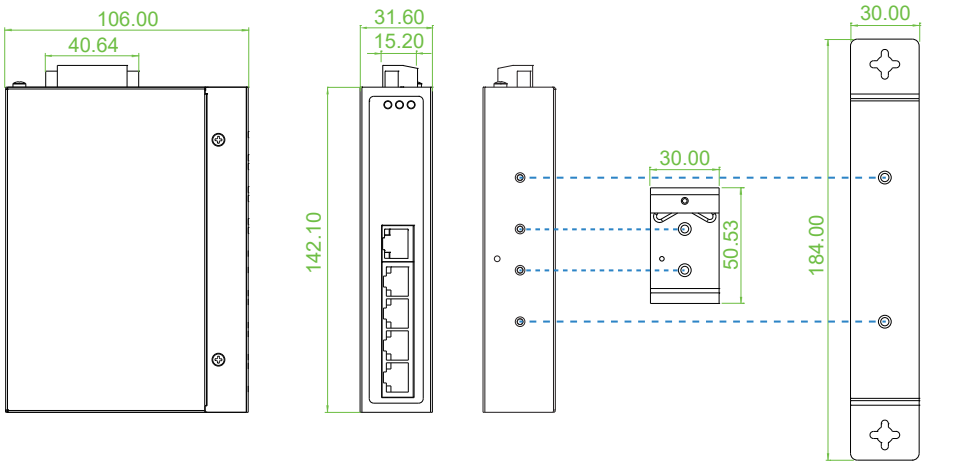
Specifications

Standard	IEEE 802.3	10Base-T Ethernet
	IEEE 802.3u	100Base-TX and 100Base-FX Fast Ethernet
	IEEE 802.3z	1000Base-X Gbit/s Ethernet over Fiber-Optic
	IEEE 802.3x	Flow Control and Back Pressure
Switch Architecture	Back-plane (Switching Fabric) : 1.0 Gbps	
Data Processing	Store and Forward	
Transfer Rate	14,880pps for Ethernet port	
	148,800pps for Fast Ethernet port	
	1,488,000pps for Giga Ethernet port	
Flow Control	IEEE 802.3x flow control, back pressure flow control	
Provides Broadcast Storm Protection	Present, Enable /Disable set by DIP SW	
MAC Address Table	2K	
Packet Buffer Size	448Kbit	
Network Connector	5x RJ-45	
	RJ-45 Port: Auto MDI/MDI-X function, 10/100Base-TX Auto negotiation speed, Full/Half duplex	
Network Cable	10Base-T: 2-pair UTP/STP Cat. 5 cable	
	EIA/TIA-568 100-ohm (100m)	
	100Base-TX: 2-pair UTP/STP Cat. 5 cable	
	EIA/TIA-568 100-ohm (100m)	
Protocol	CSMA/CD	

Industrial Fast Ethernet Switch

LED	System: Power 1 (Green), Power 2 (Green), Fault (Amber)	
	UTP: Link/Active (Green)	
	Speed 100 (Yellow)	
DIP SW	DIP 1	OFF : Enable power failure alarm
		ON : Disable
	DIP 2	OFF : Enable broadcast storm protection
		ON : Disables broadcast storm protection
Reverse Polarity Protection	Present	
Overload Current Protection	Present	
Power Supply	Redundant Dual DC 12/24/48V (9.6~60VDC) Input power (Removable Terminal Block)	
Power Consumption	2.9W	
Alarm Relay Contact	Relay outputs with current carrying capacity of 1A @24VDC, NC	
Removable Terminal Block	Provide 2 Redundant power, Alarm relay contact, 6 Pin	
Operating Temperature	-10 ~ 60°C (IFS-500)	
	-40 ~ 75°C (IFS-500-E)	
Operating Humidity	5% to 95% (Non-condensing)	
Storage Temperature	-40 ~ 85°C	
Housing	Rugged Metal, IP30 Protection and Fanless	
Dimensions	106 x 31.6 x 142mm (D x W x H)	
Weight	0.42kg	
Installation Mounting	DIN Rail mounting or wall mounting	
MTBF	650,473Hrs (MIL-HDBK-217)	
Warranty	5 years	
Certification		
EMC/EMS	CE	
EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A,CE EN55022 Class A	
Railway Traffic	EN50121-4	
Immunity for Heavy Industrial Environment	EN61000-6-2	
Emission for Heavy Industrial Environment	EN61000-6-4	
EMS	EN61000-4-2 (ESD) Level 3, Criteria B	
	EN61000-4-3 (RS) Level 3, Criteria A	
	EN61000-4-4 (Burst) Level 3, Criteria A	
	EN61000-4-5 (Surge) Level 3, Criteria B	
	EN61000-4-6 (CS) Level 3, Criteria A	
	EN61000-4-8 (PFMF, Magnetic Field) Field Strength: 300A/m, Criteria A	
Shock	IEC 60068-2-27	
Freefall	IEC 60068-2-32	
Vibration	IEC 60068-2-6	

10 Dimensions



Ordering Information

Model Name	Total Port	RJ45	Certification				Operating Temperture
		10/100Base-TX	EN50121-4	EN61000-6-2, EN61000-6-4	CE	FCC	
IFS-500	5	5	V	V	V	V	-10~60 C
IFS-500-E	5	5	V	V	V	V	-40~75 C

Optional Accessories

■ Wall Mount Kit

IND-WMK01	Wall Mount kit for Industrial product, 184 x 30mm (Narrow)

■ Industrial Power Supply

MDR-20-24	Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 24VDC, 24W, -20 ~ 70°C