

IFS-500C

5x 10/100Base RJ45 (Compact Size)

- ▲ Compact size for easy installation
- ▲ IP30, rugged metal housing, fanless
- ▲ EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC certified



The industrial compact size unmanaged Ethernet switch IFS-500C provides stable and reliable Ethernet transmission, features 5 ports 10/100 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 range input power 12/24/48VDC (9.6~60VDC), or AC24V (18~36VAC)
- Wide operating temperature -40 ~ 75° C (-E model)
- Very low power consumption
- Supports flow control

Specifications

Standard	IEEE 802.3	10Base-T Ethernet		
	IEEE 802.3u	100Base-TX and 100Base-FX Fast Ethernet		
	IEEE 802.3x	Flow Control		
Switch Architecture	Back-Plane (Switching Fabric): 1.0Gbps (Full Wire-Speed)			
Data Processing	Store and Forward			
Transfer Rate	14,880pps for Ethernet port			
	148,800pps for Fast Ethernet port			
Flow Control	IEEE 802.3x flow control, back pressure flow control			
MAC Address Table	1K			
Packet Buffer Size	448Kbits			
Network Connector	5x RJ-45			
	RJ-45 Port: Auto MDI/MDI-X function, 10/100Base-TX Auto negotiation speed, Full/Half duplex			
Network Cable	UTP/STP Cat. 5 cable or above			
	EIA/TIA-568 100-ohm (100meter)			
Protocol	CSMA/CD			
LED	System: Power (Green)			
	UTP: Link/Active (Green)			
	Speed 100 (Yellow)			
Reverse Polarity Protection	For DC input power protection			
Overload Current Protection	Supported			
Power Supply	DC 12/24/48V (9.6~60VDC) or AC 24V (18~36VAC) input power (Removable Terminal Block)			
Power Consumption	Input Voltage		Total Power Consumption	
	12 VDC		0.9W	
	24 VDC		1.2W	
	48 VDC		2W	

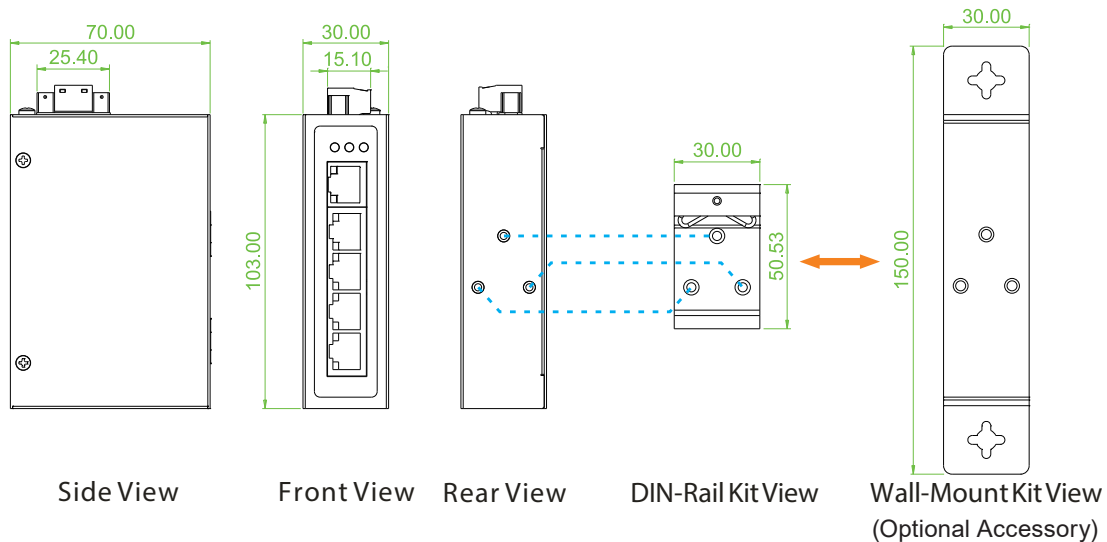
Industrial Fast Ethernet Switch

Removable Terminal Block	Provides for input power (2 Pin)
Operating Temperature	-10 ~ 60°C (IFS-500C) -40 ~ 75°C (IFS-500C-E)
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40 ~ 85°C
Housing	Rugged Metal, IP30 Protection and Fanless
Dimensions	70 x 30 x 103 mm (D x W x H)
Weight	220g
Installation Mounting	DIN Rail mounting, or wall mounting (optional)
MTBF	1,738,327 Hours (MIL-HDBK-217)
Warranty	5 years

Certification

EMC/EMS	CE (EN55032, EN55035)
EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A, CE
Railway Traffic	EN50121-4
Immunity for Heavy Industrial Environment	EN61000-6-2
Emission for Heavy Industrial Environment	EN61000-6-4
EMS (Electromagnetic Susceptibility) Protection Level	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

Dimensions



Ordering Information

Model Name	Total Port	RJ45 UTP Port	Power Input	Certification			Operating Temperature
		10/100Base-TX	Single Power	EN50121-4	EN61000-6-2 EN61000-6-4	CE, FCC	
IFS-500C	5	5	12/24/48VDC, 24VAC	V	V	V	-10~60°C
IFS-500C-E	5	5	12/24/48VDC, 24VAC	V	V	V	-40~75°C

Optional Accessories

■ Wall Mount Kit

IND-WMK03	Wall Mount kit for Industrial product (Compact, 150 x 30mm)
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■ Industrial Power Supply

MDR-20-24	Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 24VDC, 24W, -20 ~ +70°C
MDR-40-48	Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 48VDC, 40W, -20 ~ +70°C