



## 5\*10/100Base-TX Industrial Ethernet Switch

BSD-IES-0005T



### Features:

- ✧ 5\*10/100Base-TX RJ45 ports (NO.5 is the uplink port)
- ✧ DC 12~58V input, redundant power supply with polarity reverse/over-voltage protection
- ✧ Dip switch function: 1.Port isolation; 2. Flow control; 3. QoS; 4. Broadcast storm restrain
- ✧ Support 10K Bytes Jumbo frame
- ✧ Support 4KV surge protection and ESD: Air-15kV, Contact-8kV Protection
- ✧ IP40 fan-less and Din-rail hardware design
- ✧ Operation temperature: -40 °C ~+75°C

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## Overview

The BSD BSD-IES-0005T is the unmanaged industrial grade Ethernet switch with 5-port 10/100Base-TX RJ45. It is featuring with port isolation, flow control, QoS(1-2 ports) and broadcast storm restrain function, which all can be configured by the Dip switch on the top panel.

BSD-IES-0005T is also a high cost-effective easy-to-use device, which provides essential industrial Ethernet networking function, such as wide range power input 12-58VDC, redundant power design with polarity reverse/over-voltage protection, robust IP40 fan-less housing with Din-rail installation, wide operation temperature from -40 °C ~+75°C as well as high-level EMI/EMC capability and so on. It is the best choice for heavy industrial factory, transportation, oil & gas, chemical, IP Surveillance and processing automation area where environmental conditions exceed commercial product specifications

## Technical specification

Model No.	BSD-IES-0005T	
Interface	Fiber port	Copper RJ45 ports
	0	5
Ethernet	5*10/100Base-TX RJ45 (NO.5 is the uplink port)	
Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet	
Dip Switch	1. Port Isolation 2. Flow control 3. QoS(1-2 ports) 4. Broadcast storm restrain	
LED Indicators	P(Power indicator) Green	Off: the device is power off or failed
		On: the device power on is normal
	S(System indicator) Red	Off: the chip is normal
		On: the chip read/write is unnormal



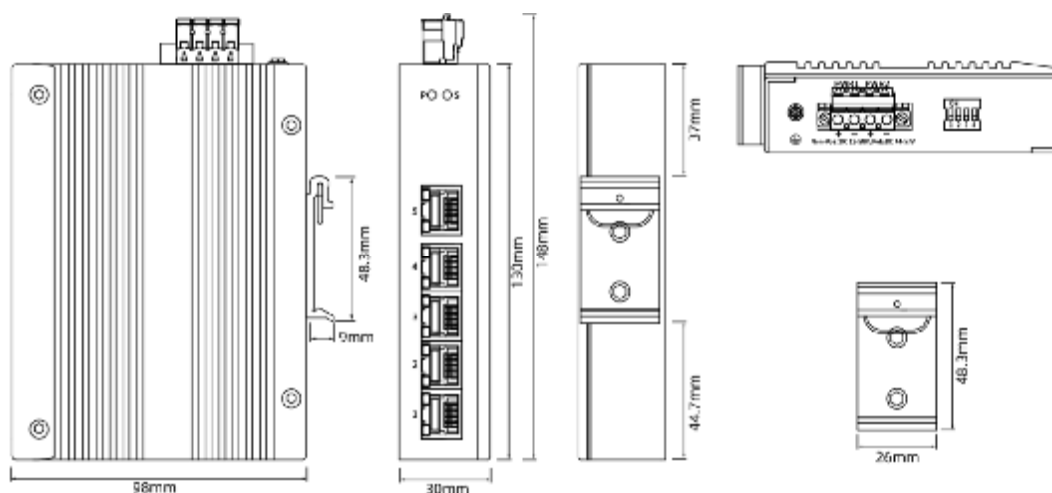
	1-5(Copper ports)	Green indicators	Yellow indicators
		Off: ports link down	Off: port speed is 10M
		On: ports link up	On: port speed is 100M
		Blinking: data on TX/RX	
Power parameters			
Input voltage	12-58VDC, redundant power input		
Input current	0.5A Max		
Total power consumption	Full loading ≤4W		
Connector	Removable 4-pin terminal block		
Reverse polarity protection	Support		
Over-voltage protection	Support		
Switching features			
Switching capacity	1G		
Packet forwarding rate	1.48 Mpps		
MAC address table	2K		
VLAN	4K		
Buffer	16K		
Forwarding delay	<10us		
Jumbo Frame	Support 2Kbytes		
MDX/MIDX	Support		
Watchdog	Support		
Network Topology			
Star topology	Support		
Bus topology	Support		
Tree Topology	Support		



<b>Mechanical structure</b>	
Case protection	IP40
Installation method	Din-rail
Dimension(W*D*H)mm	30*98*130mm
Weight	0.5 kg
<b>Operating environment</b>	
Operating temperature	-40°C~+75°C
Storage/transportation temperature	-40°C~+85°C
Relative humidity	5%~95% (non-condensing)
<b>Industrial Standard</b>	Surge protection of power: IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us)
	Surge protection of Ethernet ports: IEC 61000-4-5 Level 3 (4KV/2KV) (10/700us)
	DIP: IEC 61000-4-11 Level 3 (10V)
	ESD: IEC 61000-4-2 Level 4 (8K/15K)
	Shock: IEC 60068-2-27
	Free fall: IEC 60068-2-32
	Vibration: IEC 60068-2-6
Certification	CCC/CE/FCC/RoHS
Warranty	5 years



## Structure diagram



## Order information

Model	Description
BSD-IES-0005T	5-port 10/100Base-TX RJ45 industrial Ethernet switch , DC12-58V input, redundant dual power supply, Din-rail installation. Operation temperature: -40℃~+75℃