

## BSD-IPES-0104 Series

5-port Unmanaged Industrial PoE Switch, with 1-port 100Base-F(x) and 4-port 10/100Base-T(x) PoE

### Features



- Support 4 10/100Base-TX PoE + 1 100Base-F(x)/LC fiber port.
- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af/at.
- Support IEEE802.3af, maximum 15.4W power supply.
- Support IEEE802.3at, maximum 30W power supply.
- Industrial lightning chip design, up to 8KV effective against lightning, avoiding electrostatic induction.
- DC48V power input, reverse connection protection.
- Industrial grade design, -40-85°C work temperature.
- IP40 protection grade, DIN rail mounted.



### Introduction

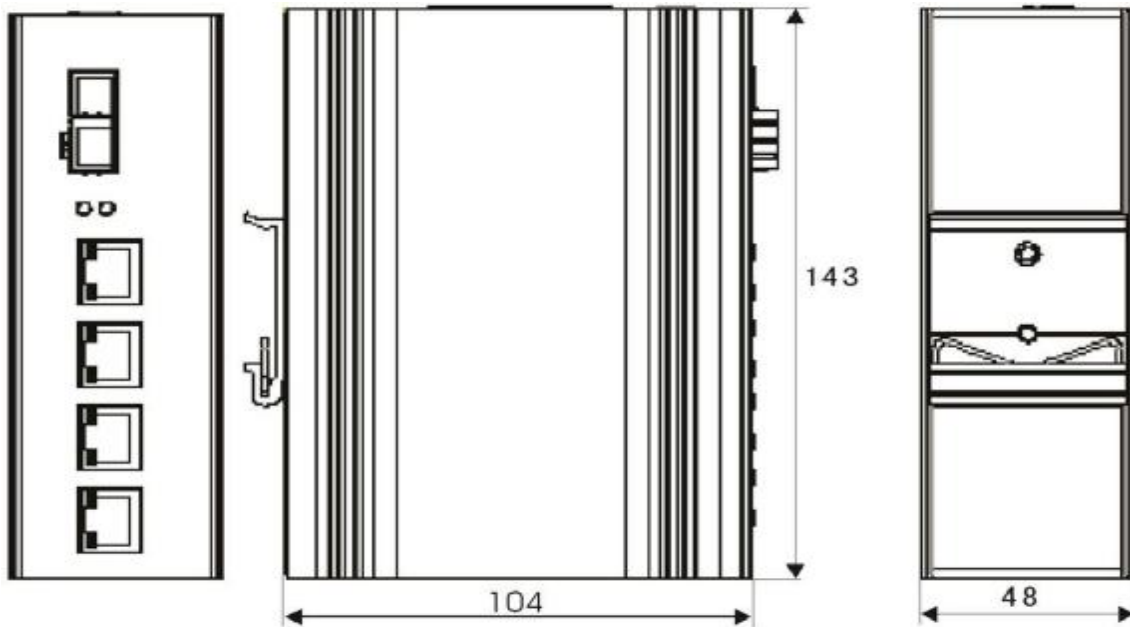
BSD-IPES-0104 is an industrial unmanaged PoE switch. It supports 4 10/100Base-T(X) ports and 1 100Base-F(x)/LC fiber port. The Ethernet port supports Power-over-Ethernet (PoE) function. The switches are classified as power source equipment (PSE), and when used in this way, the switches enable centralization of the power supply, providing up to 30 watts of power per port and reducing the effort needed for installing power. The switches can be used to power IEEE802.3af/at standard devices (PD), eliminating the need for additional wiring.

It supports CE, FCC, RoHS standard, adopts industry standard design, IP40 protection, rugged high-strength metal case, power supply input (48VDC). The switch supports IEEE802.3/ IEEE802.3u/ IEEE802.3x with 10/100M, full/half-duplex, and MDI/MDI-X auto-sensing, the -40 ~ 85°C working temperature, can meet all kinds of industrial environment requirements, providing reliable and economic solutions for your industrial Ethernet network.

## Specification

<b>Protocol Standard</b>	Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3x		
	Flow control: IEEE802.3x flow control, back press flow control		
	PoE Standard: IEEE802.3af/at		
<b>Performance</b>	Forwarding Rate: 0.744Mpps		
	Transmission Mode: Store and Forward		
	Cache Size: 512K		
	Backplane Bandwidth: 1Gbps		
	MAC: 1K		
	Delay Time: < 3μs		
<b>Ethernet Port</b>	10Base-T/100Base-TX Self-adaption, Half/full duplex and MDI/MDI-X auto detect		
<b>Fiber Port</b>	100Base-F(x)/LC fiber port		
<b>PoE</b>	Pin-out: 1/2(+), 3/6(-), IEEE802.3af max 15.4w, IEEE802.3at max 30w.		
<b>Indicator</b>	Power Indicator	PWR	
	Port Indicator	LINK / ACT	
<b>Power Supply</b>	Input Voltage	DC48V (DC10-58V)	
	Connector	6 bit 5.08mm Removable terminal block	
	No-load Consumption	<3W	
	Protection Mechanism	Overload Protection / Reverse Connection Protection / Redundancy Protection	
<b>Mechanical</b>	Casing: Aluminum-alloy Case		
	IP Grade: IP40 protection		
	Dimension: 143*104*48mm( L*W*H )		
	Weight: 500g		
	Installation: DIN-rail mounting, wall mounting		
<b>Environmental</b>	Operating Temperature: -40 to 85°C		
	Storage Temperature: -40 to 85°C		
	Ambient Relative Humidity: 5% to 95% (non-condensing)		
<b>Certification</b>	CE, FCC, RoHS		
<b>Industry Standards</b>	Safety	UL508	
	EMI	FCC CFR47 Part 15, EN55022/CISPR22, Class A	
	EMS	IEC61000-4-2(ESD) ±8kV(contact), ±15kV(air)	
		IEC61000-4-3(RS) 10V/m(80MHz-2GHz)	
		IEC61000-4-4(EFT) Power Port: ±4kV, Data Port: ±2kV	
		IEC61000-4-5(Surge) Power Port: ±2kV/DM, ±4kV/CM, Data Port: ±2kV	
	Machinery	IEC61000-4-6(CS) 3V(10kHz-150kHz), 10V(150kHz-80MHz)	
		IEC60068-2-6 ( Vibration )	
		IEC60068-2-27 ( Shock )	
	IEC60068-2-32 ( Free Fall )		
<b>Warranty</b>	5-years		

**Dimension**



**Order Information**

Model No.	Description of Goods
<b>Dual Fiber</b>	
BSD-IPES-0104SC	Multimode, Dual Fiber, 2Km, SC connector
BSD-IPES-0104SC-20	Single Mode, Dual Fiber, 20Km, SC connector
BSD-IPES-0104LC	100Base SFP Slot
BSD-SFPLC	Multimode 100Base 2km SFP Module
BSD-SFPLC-20	Single Mode, 100Base 20Km SFP Module