



Mini Industrial Ethernet Switch 4-Port 10/100/1000Base-T 48 V Passive PoE & 1-Port 100/1000X SFP with 12~48VDC Input and Voltage Booster

[POE-DC-I-SFP]

Features

- ▶ 100/1000BASE-X SFP slot for SFP type auto detection
- ▶ 4 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports with 48 V Passive PoE Injector (Port-1 to Port-4)
- ▶ Will power 802.3af/at PoE/PoE+ devices
- ▶ 12~48 VDC wide range power input with power booster function
- ▶ Supports 802.3x Flow control
- ▶ Supports DIN-Rail and Wall-mount installation
- ▶ Up to 120-watt PoE budget (48 VDC), 90-watt PoE budget (24 VDC), 60-watt PoE budget (12 VDC)
- ▶ Industry standard design, dustproof and close design IP40, rugged high-strength metal case
- ▶ -40°C to 80°C operating temperature



Overview

This mini PoE switch is DC Powered, with Industrial temperature ratings for harsh environments. It has 4 Gigabit Ethernet (GbE) Passive (48 V / 30 W) PoE ports, plus 1 SFP port, for Fibre/RJ45 SFP modules. It accepts wide-range (12~48 VDC) DC power input. The built-in voltage booster up-converts to 48 VDC

Application





Technical Indexes

Ethernet	
Standards:	IEEE 802.3 Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3ab Gigabit Ethernet
	IEEE 802.3x Full-Duplex Flow Control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
Forward & Filtering Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Packet Buffer:	1 Mbits
Packet Length:	10 kbytes
MAC Address Table:	8 K
Switch Fabric:	10 Gbps/non-blocking
Exchange Property	Backplane bandwidth: 20 Gbps; Packet forwarding rate: 14.88 Mpps
Connector:	4 ports with 48 V Passive PoE injector function (Ports 1 to 4)
Interface	
Connector:	4 x RJ45
Optical Port:	1 x SFP 1000Base-X or 100Base-FX (auto detection)
PoE (Power over Ethernet)	
Standard:	Passive 48 V / 30 W Will power 802.3af/at PoE/PoE+ devices
Port:	RJ45
Power Pin Assignment	4/5(+), 7/8(-)
PoE Budget:	Up to 120-watt PoE budget (48 VDC), 90-watt PoE budget (24 VDC), 60-watt PoE budget (12 VDC)
Environmental	
Operating Temperature:	-40°C to 80°C
Storage Temperature:	-40°C to 85°C
Relative Humidity:	5% to 95% non-condensing
MTBF	> 200,000 hrs



Electrical and Mechanical	
Input Power:	12~48 VDC (Terminal Block)
Power Consumption:	<125 W (Non-PoE<6 W)
Power Input Overload:	Automatic Resettable
Reverse Polarity:	Present
Dimensions (WxDxH):	95 x 70x 29 mm
Weight:	0.25 kg
Casing:	Aluminum Case
Mounting Options:	DIN-Rail / Wall-mount
LED Indicators	
PWR:	Power
L/A:	Link/Activity
PoE:	PoE Status
Regulatory Approvals	
ISO9001	
EN55022:2010+AC: 2011, Class A	
EN 61000-3-2: 2006+A1: 2009+A2: 2009	
EN 61000-3-3: 2013	
EN55032:2017	
IEC 61000-4-2: 2008 (ESD)	
IEC 61000-4-3: 2010 (RS)	
IEC 61000-4-4: 2012 (EFT)	
IEC 61000-4-5: 2014 (Surge)	
IEC 61000-4-6: 2013 (CS)	
IEC 61000-4-8: 2009 (PFMF)	