



Mini Industrial 4-Port 10/100/1000T 802.3at 30W PoE + 1-Port 100/1000X SFP Ethernet Switch with 11~56VDC Input

Features

- ▶ Support 4x10/100/1000Base-T + 1x100/1000Base-X
- ▶ IEEE 802.3az Energy Efficient Ethernet (EEE)
- ▶ Support IEEE802.3/802.3 u/ab/z / 802.3 x 802.3 802.3 store-and-forward mode
- ▶ Support redundant backup dual power supply 9~56VDC (PoE30W:11~56VDC or PoE 60W/90W:44~56VDC) wide voltage input
- ▶ Port 1-4: 4xRJ-45 10/100/1000 Mbps (PoE)
- ▶ Port 5: 1x100/1000X SFP
- ▶ 16K Bytes Jumbo Frame
- ▶ Supports DIN-Rail and Wall-mount installation
- ▶ Industry standard design, dustproof and close design IP40, rugged high-strength Aluminum case
- ▶ -40°C to 80°C (-40°F to 176°F) operating temperature



Overview

BDTSecureMN104GP-SFP Series is a Mini industrial ethernet switch, including 1x 100/1000 SFP port, 4x10/100/1000M RJ45 electrical port. This series of products is an industrial ring transceiver product independently developed by our company specifically for the field of industrial control. The exclusive design supports redundant backup dual 9~56VDC(PoE30W:11~56VDC or PoE60W/90W:44~56VDC) wide voltage input, and the power supply is more flexible. The product strictly conforms to the international IEEE 802.1P/Q/W/S/X, /IEEE 802.3D/W/S standard protocol.

The wide operating temperature of -40 ~ +75 degrees can adapt to low temperature and high temperature, IP40 protection level; It has the characteristics of small size, no fan, low power consumption, high reliability, good stability and easy maintenance. Widely used in power, water conservancy, rail transit, safe city, traffic monitoring, wind power generation, photovoltaic, building automatic control system and other fields.



Technical Indexes

Ethernet	
Standards:	IEEE 802.3 Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3x Full-Duplex Flow Control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
	IEEE 802.3at Power over Ethernet Plus PSE
	IEEE 802.3af Power over Ethernet Plus
Forward & Filtering Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
Packet Buffer:	1Mbits
Packet Length:	16K Bytes
MAC Address Table:	2K
Switch Fabric:	10Gbps/non-blocking
Exchange Property	Backplane bandwidth: 14Gbps; Packet forwarding rate: 14.88Mpps
Connector:	4 ports with 802.3at PoE+ injector function (Ports 1 to 4)
Interface	
Connector:	4 x RJ45 (10/100/1000Base-T)
Optical Port:	1 x SFP 100/1000Base-X
PoE (Power over Ethernet)	
Standard:	IEEE802.3af/at
Port:	RJ45
Power Pin Assignment	4/5(+), 7/8(-)
Environmental	
Operating Temperature:	-40°C to 80°C (-40°F to 176°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 200,000 hrs



Electrical and Mechanical	
Input Power:	Redundant backup dual power supply 9~56VDC(PoE30W:11~56VDC or PoE60W/90W:44~56VDC)Terminal Block
PoE Output (optional):	AF/AT 52V/30W Max, AT/BT 52V/90W Max
Power Consumption:	5W Max. (PoE not activated)
Power Input Overload:	Automatic Resettable
Reverse Polarity:	Present
Dimensions (WxDxH):	100 x 70x 30mm
Weight:	0.25Kg
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)	

Ordering Information

Model	Description
BDTSecureMN104GP-SFP	Mini Industrial 4-Port 10/100/1000T 802.3at 30W PoE + 1-Port 100/1000X SFP Ethernet Switch with 11~56VDC Input
SFP Options	► SFP option. Please select your SFP on our SFP Options Page (Industrial SFP).
	► SFP module is to be purchased separately.
Mounting Options	► Default DIN-Rail Bracket installed; Wall Mount Bracket is included.
Power Options	► Power Supply is to be purchased separately