

ENP1U00051 Series

5-Port Industrial Ethernet Switch

-4*10/100Tx + 1*100Fx, 12-48VDC Power Input

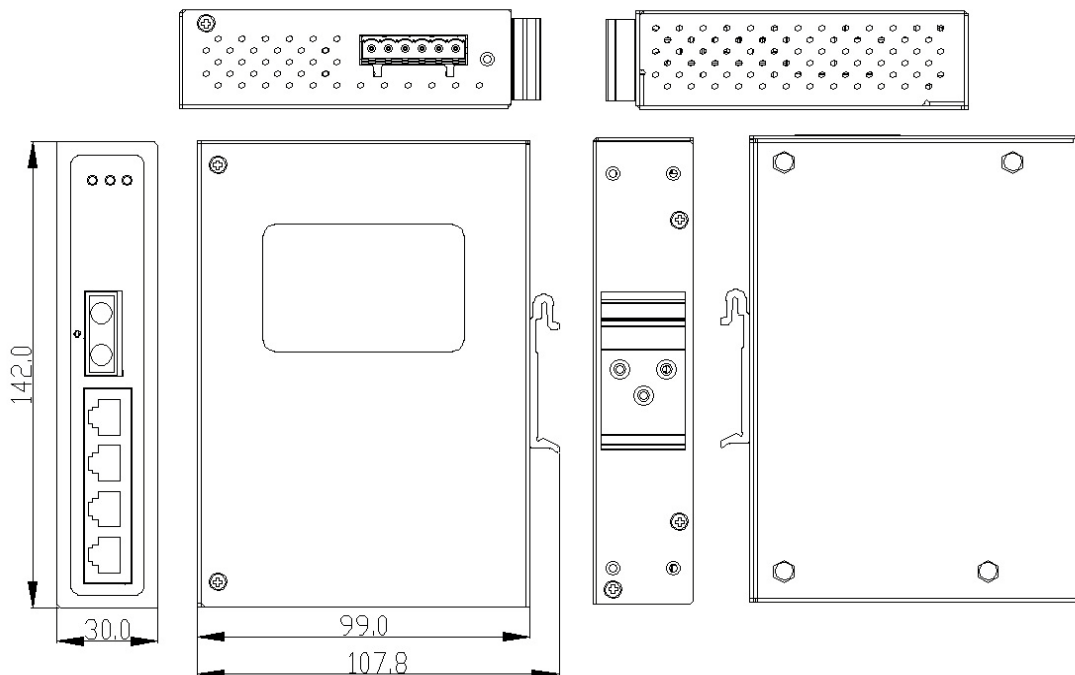


Feature

- 4-port 10/100Tx Fast Ethernet
- 1-port 100Fx - SC/ST connector (Multi/Single Mode)
- Redundant Power Input Design, 12-48VDC
- Built-in Relay Output Warning for Power Failure
- IP30 Rugged Metal Case Design
- DIN-Rail Mounting, Wall Mounting
- Operating Temperature Range - STD: -10°C ~ 65°C



Dimensions (unit = mm)



Specifications

Technology

Standards	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet
Processing Type	Store and Forward
Protocol	CSMA/CD
Flow Control	IEEE 802.3x flow control, back pressure flow control

Switch Properties

Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
Transfer Rate	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port
Switch Architecture	Back-Plane: Non-Blocking Switching Fabric
Memory Buffer	448Kbits
MAC Table size	2K

Interface

RJ45 Ports	4*10/100BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	1*100Fx SC/ST type connector Multi-mode (2Km) - 50/125um or 62.5/125um, Single-mode (30Km) - 9/125um or 10/125um
MAC Table size	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting Fiber Ports: On-Link/Flash-data transmitting
Wavelength	1310nm
RJ45 Ports	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)

Power Requirements

Input Voltage	12-48VDC, Redundant Input
Overload Current Protection	Present(Slow-Blow Fuse)
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Power Consumption	5Watts
Relay Contact	24VDC, 1A resistive

Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions	30 x 142 x 99 mm (W x H x D)
Weight	Unit Weight: 0.5kg, Shipping Weight: 0.7kg
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

Operating Temperature	STD: -10°C ~ 65°C (14°F ~ 149°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EMS	IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8 (Magnetic Field)
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Compliance	NEMA TS2 (ITS) – EoT version
Warranty	5 Years

Ordering Information

ENP1U01051	5 Port Unmanaged Ethernet switch (4*10/100Tx + 1*100Fx Fiber Port MM/SC)
ENP1U00051	5 Port Unmanaged Ethernet switch (4*10/100Tx + 1*100Fx Fiber Port MM/ST)
ENP1U00151	5 Port Unmanaged Ethernet switch (4*10/100Tx + 1*100Fx Fiber Port SM/ST)
ENP1U01151	5 Port Unmanaged Ethernet switch (4*10/100Tx + 1*100Fx Fiber Port SM/SC)

Due to continuous improvement, all product specifications are subject to change without further notice.