

# ENP1U02282

8-Port Industrial Gigabit Ethernet Switch

- 8\*10/100/1000Tx, 12-48VDC Power Input



Feature

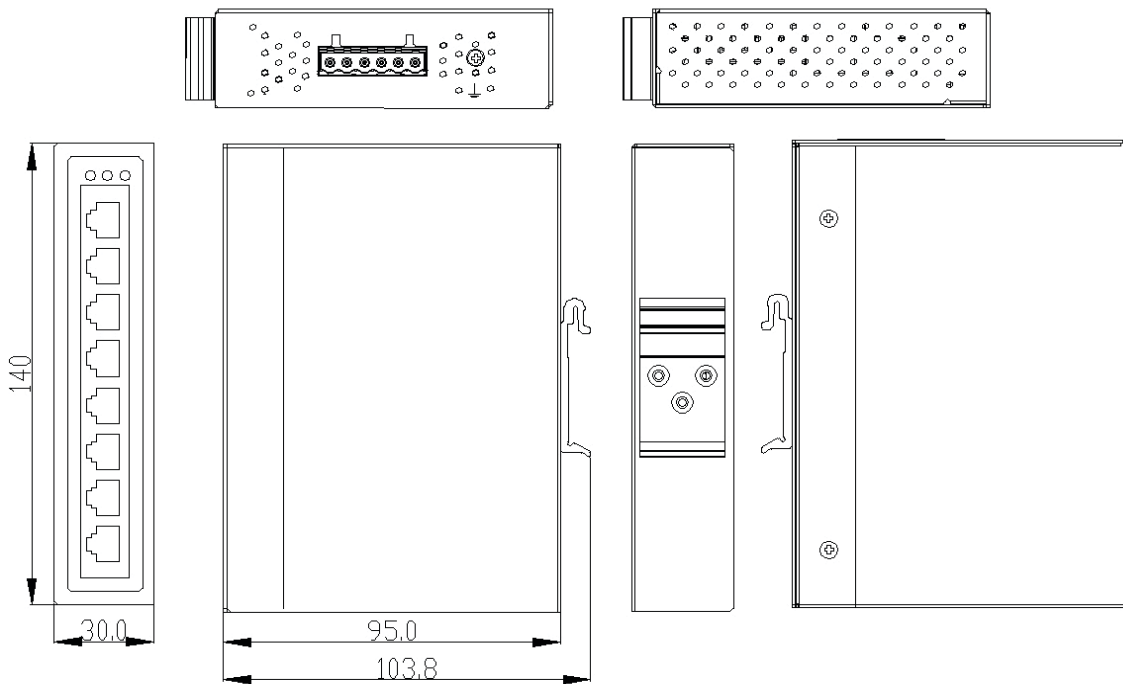
Unmanaged

Gigabit

- 8-port 10/100/1000Tx Gigabit Ethernet
- 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, EOT: -40°C ~ 75°C



## Dimensions (unit = mm)



## Specifications

### Technology

<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT
<b>Processing Type</b>	Store and Forward
<b>Protocol</b>	CSMA/CD
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control

### Switch Properties

<b>Switch Architecture</b>	Back-Plane: Non-Blocking Switching Fabric
<b>Transfer Rate</b>	14,880pps for Ethernet Port 148,800pps for Fast Ethernet Port 1,488,000pps for Gigabit Ethernet Port
<b>Memory Buffer</b>	4Mbits
<b>Jumbo Frame</b>	9.6Kbytes
<b>MAC Table size</b>	8K

### Interface

<b>RJ45 Ports</b>	8*10/100/1000BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
<b>LED Indicators</b>	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting
<b>Network Cable</b>	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) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

### Power Requirements

<b>Input Voltage</b>	12-48VDC, Redundant Input
<b>Overload Current Protection</b>	Present(Slow-Blow Fuse)
<b>PowerConnection</b>	1 removable 6-contact terminal block
<b>Reverse Polarity Protection</b>	Present
<b>Power Consumption</b>	7.8Watts
<b>Relay Contact</b>	24VDC, 1A resistive

### Mechanical Characteristics

<b>Housing</b>	Metal, IP30 protection
<b>Dimensions</b>	30 x 140 x 95 mm (W x H x D)
<b>Weight</b>	Unit Weight: 0.45kg, Shipping Weight: 0.65kg
<b>Mounting</b>	DIN-Rail Mounting, Wall Mounting

### Environmental Limits

<b>Operating Temperature</b>	STD: -10°C ~ 65°C (14°F ~ 149°F); EOT: -40°C ~ 75°C (-40°F ~ 167°F)
<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
<b>Ambient Relative Humidity</b>	5 to 95%, (non-condensing)

### Regulatory Approvals

<b>EMI</b>	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
<b>EMS</b>	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)
<b>Free Fall</b>	IEC60068-2-32
<b>Shock</b>	IEC60068-2-27

<b>Vibration</b>	IEC60068-2-6
<b>Green</b>	RoHS Compliant
<b>Safety</b>	UL 61010-1, UL61010-2-201, ISA 12.12.01
<b>Corrosion Protection</b>	IEC 60068-2-11, IEC 60068-2-52, IEC 60068-2-60 IPC-CC-830B, MIL-I-46058C, IEC 61086-2 (Class 2), UL 94, UL 746E ISO 9223 (Class C5-Very High, Class CX-Extreme) ANSI/ISA 71.04 (Class GX-Severe)
<b>Compliance</b>	NEMA TS2 (ITS)- EoT version
<b>Warranty</b>	5 Years
<b>Ordering Information</b>	
<b>ENP1U02282</b>	8-Port Industrial Gigabit Ethernet Switch

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