

# EP-0501G

## 5+1 Port Industrial Unmanaged PoE+ Gigabit Ethernet Switch



- 5x Gigabit Ethernet ports with 4x IEEE 802.3at PoE+
- 1x 1000F(x) SFP Slot
- Built for harsh environments and wide temperature range application
- IP30 housing
- DIN-Rail Mounting



### Specifications

#### Technology

<b>Standards</b>	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3z 1000BaseX IEEE 802.3x Flow Control IEEE 802.3af Power over Ethernet IEEE 802.3at PoE+
------------------	---

<b>Processing Type</b>	Store and Forward
------------------------	-------------------

#### Switch Properties

<b>Switch Fabric</b>	12Gbps
----------------------	--------

<b>Priority Queues</b>	-
------------------------	---

<b>MAC Table Size</b>	2K
-----------------------	----

<b>Packet Buffer</b>	1Mbits
----------------------	--------

#### Interface

<b>RJ45 Port</b>	5x 10/100/1000T(x) with 4x PoE+, auto negotiation speed duplex mode, auto MDI/MDI-X
------------------	---

<b>Fiber Port</b>	1x 1000F(x) SFP Slot
-------------------	----------------------

<b>PoE Pin Out</b>	V+, V+, V-, V-, for pin 1, 2, 3, 6, Endspan, MDI Mode A
--------------------	---

<b>LED Indicators</b>	<b>Per unit:</b> PWR1, PWR2 <b>Ports:</b> Link (Green) <b>PoE:</b> Output Power
-----------------------	---

#### Power Requirements

<b>Operation Voltage</b>	48-57VDC, redundant dual inputs, >50VDC for PoE+ output recommended
--------------------------	---

<b>Connection</b>	1x removable 4-contact terminal block
-------------------	---------------------------------------

<b>Power Consumption</b>	5W without PDs' consumption
--------------------------	-----------------------------

<b>PoE Power Budget</b>	120W
-------------------------	------

<b>Protection</b>	Overload Current Protected, Reverse Polarity Protected
-------------------	--

#### Mechanical Construction

<b>Enclosure</b>	SECC
------------------	------

<b>Protection Class</b>	IP30
-------------------------	------

<b>Dimensions</b>	29x140x98 mm (WxHxD)
-------------------	----------------------

<b>Weight</b>	0.7 kg
---------------	--------

<b>Mounting</b>	DIN-Rail Mounting
-----------------	-------------------

#### Environmental Limits

<b>Operating Temperature</b>	Extended: -40°C ~ 75°C (-40°F ~ 167°F)
------------------------------	--

<b>Storage Temperature</b>	-40°C ~ 85°C (-40°F ~ 185°F)
----------------------------	------------------------------

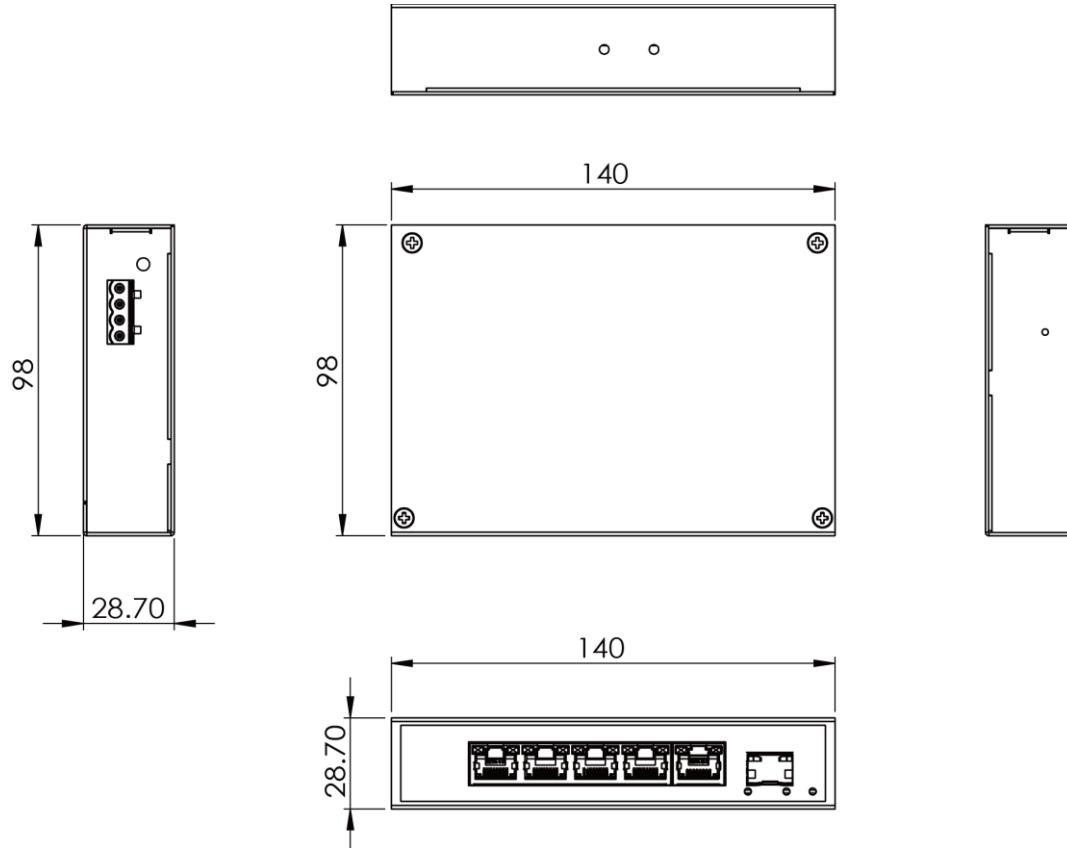
<b>Ambient Relative Humidity</b>	5 to 95%, (Non-Condensing)
----------------------------------	----------------------------

#### Regulatory Approvals

<b>EMI</b>	FCC Part 15 Subpart B Class A	<b>Free Fall</b>	IEC60068-2-32
	CE EN 55032 Class A	<b>Shock</b>	IEC60068-2-27
<b>EMS</b>	IEC61000-4-2 (ESD)	<b>Vibration</b>	IEC60068-2-6
	IEC61000-4-3 (RS)	<b>Green</b>	RoHS Compliant
	IEC61000-4-4 (EFT)	<b>MTBF</b>	>100,000 hours
	IEC61000-4-5 (Surge)	<b>Warranty</b>	5 Years
	IEC61000-4-6 (CS)		
	IEC61000-4-8 (Magnetic Field)		

Features with star(\*) implies those are under development.  
 In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

## Dimensions (unit = mm)



## Ordering Information

**EP-0501G-T** 5+1 Port Industrial Unmanaged PoE+ Gigabit Ethernet Switch  
 - 5x 10/100/1000T(x) with 4x 30W PSE + 1x 1000F(x) SFP Slot  
 - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)

## Optional Accessories

**NDR-240-48** 240W Industrial DIN-Rail Power Supply, 48VDC (metal case)  
**NDR-480-48** 480W Industrial DIN-Rail Power Supply, 48VDC (metal case)