

# EDX-104 Series

5-port IEEE 802.3at PoE+ Gigabit Unmanaged Industrial Ethernet Switch with PoE+ PD and DC Dual Power Input



CE FC

## Key Features

- Five 10/ 100/ 1000 Mbps Ethernet ports
- Supports IEEE 802.3at PoE+ PSE on port 2~5
- Up to 25.5 W power output on each port, total 80W power budget
- Dual power input
  - PoE+ PD (Powered Device) mode via port 1
  - 24/ 48 VDC input with power connector
- EMS level 3 protection for industrial environments
- Industrial-grade, -25°C to 70°C fanless operation
- IP50 (EDX-104J) housing

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## Introduction

EDX-104 series is world's first PoE+ unmanaged switch combining IEEE 802.3at PSE/ PD capability and fanless enclosure for IP protection. It offers five Gigabit Ethernet ports compliant with 802.3 (10BASE-T), 802.3u (100BASE-TX) and 802.3ab (1000BASE-T). Four of its ports support 802.3at PoE+ PSE (Power Sourcing Equipment) capability and can deliver up to 25.5W to PoE PD on each port.

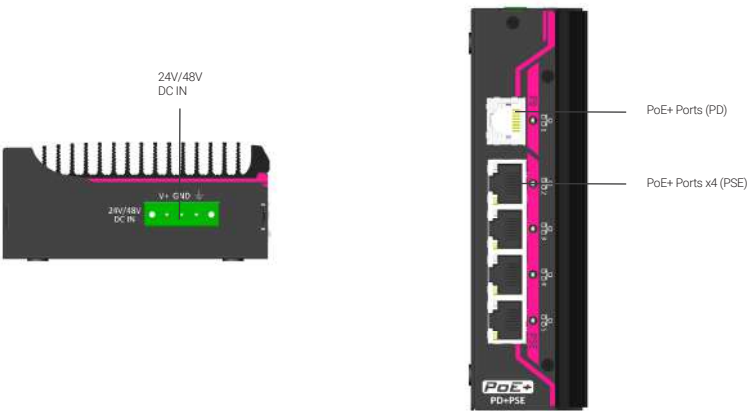
The dual power mode feature is what makes EDX-104 unique. It can operate as a PoE+ PD by simply powering it using a Ethernet cable from a PSE. Or, when PSE is not available, you can plug-in 24/ 48V DC and EDX-104 becomes a PSE. The option of operating in PSE or PD mode offers setup and installation flexibility.

EDX-104 series features EMS level 3 protection, Wide temperature -25°C to 70°C fanless operation and IP protection, EDX-104 is the ideal simple and rugged Ethernet switch for your industrial applications.

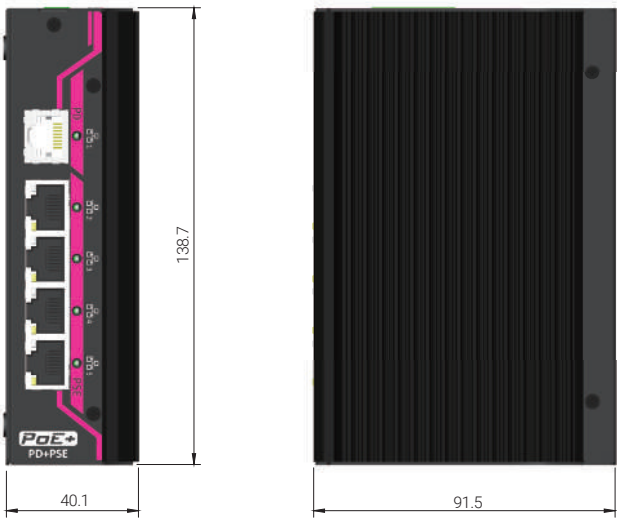
## Specifications

|                       |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| PoE Standard          | IEEE 802.3at PSE (port 2~5)<br>IEEE 802.3at PD (port 1)                                                                                           |
| Ethernet Standard     | IEEE 802.3 for 10BASE-T/ IEEE 802.3u for 100BASE-TX<br>IEEE 802.3ab for 1000BASE-T/ IEEE 802.3x for flow control                                  |
| # of Port             | 5-port, 1000/100/10 Mbps, auto-negotiation                                                                                                        |
| Switch Features       | MAC table size: 8192 entries<br>Frame buffer memory: 1 Mb<br>Jumbo frame support: 10 KB                                                           |
| Ethernet Connector    | RJ45, PSE power out: V+/ V+/ V-/ V- on pin 1/ 2/ 3/ 6                                                                                             |
| Power Input (PD Mode) | Via Ethernet port 1 (RJ45), total power budget for PSE: 25.5 W                                                                                    |
| Power Input (DC Mode) | 24/48 VDC, via 3-pin terminal block, total power budget for PSE: 80 W                                                                             |
| IP Rating             | IP50                                                                                                                                              |
| EMC                   | CE/ FCC Class A, according to EN 50022 & EN 55024<br>EN 50155/ 50121-3-2                                                                          |
| EMS                   | EN 61000-4-2 (Level 3), EN 61000-4-3 (Level 3), EN 61000-4-4 (Level 3),<br>EN 61000-4-5 (Level 3), EN 61000-4-6 (Level 3), EN 61000-4-8 (Level 3) |
| Operating Temperature | -25°C to 70°C*                                                                                                                                    |
| Vibration             | Operating, 5 Grms, 5-500 Hz, 3 Axes, according to IEC60068-2-64                                                                                   |
| Shock                 | Operating, 50 Grms, Half-sine 11 ms Duration, according to IEC60068-2-27                                                                          |
| Dimension             | 40 mm (W) x 92 mm (D) x139 mm (H)                                                                                                                 |
| IP Rating             | 0.5kg                                                                                                                                             |
| Mounting              | DIN-rail mounting                                                                                                                                 |

## Appearance



## Dimensions



Unit : mm

## Ordering Information

| Model No. | Product Description                                                                                                    |
|-----------|------------------------------------------------------------------------------------------------------------------------|
| EDX-104J  | 5-port IEEE 802.3at PoE+ unmanaged Gigabit Ethernet switch with PD/DC dual power mode, RJ45 connector and IP50 housing |

## Optional Accessories

|             |                                                                                                                               |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|
| PA-280W-ET2 | 280W AC/DC power adapter 24V/11.67A;16AWG/100cm; cord end terminals for terminal block, operating temperature : -30 to 60 °C. |
|-------------|-------------------------------------------------------------------------------------------------------------------------------|