EDX-104 Series

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

Features

- Five 10/100/1000 Mbps Gigabit 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

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 feature of dual power mode is what makes EDX-104 unique. It can operate as a PoE+ PD thus you can simply power it using a Ethernet cable from a PSE. Or, when PSE is not available, you can supply 24/48 VDC to make it work. The combination of PSE and PD minimizes the effort of installation and maintenance as only Ethernet cables are needs to connect everything.

EDX-104 series is designed with EMS level 3 protection. Combing its -25°C to 70°C fanless operation and IP protection, EDX-104 is a simple yet rugged Ethernet switch for your industrial environments.

POC-200

EDX-104

Industrial PoE+ PSE+PD GigE Switch

Specifications

EDX-104J	
PoE Standard	IEEE 802.3at PSE (port 2~5) IEEE 802.3at PD (port 1)
Ethernet Standard	IEEE 802.3 for 10BASE-T / IEEE 802.3u for 100BASE-TX 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 Frame buffer memory: 1 Mb Jumbo frame support: 10 KB
Ethernet Connector	RJ-45 PSE power out: V+/V+/V-/V- on pin 1/2/3/6
Power Input (PD Mode)	Via Ethernet port 1 (RJ-45), total power budget for PSE: 25 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 EN 50155 / 50121-3-2
EMS	EN 61000-4-2 (Level 3), EN 61000-4-3 (Level 3), EN 61000-4-4 (Level 3), 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	31mm(W)x90mm(D)x130mm(H)
Weight	0.5kg

Order Information

EDX-104J
5-port IEEE 802.3at PoE+ Unmanaged Gigabit Ethernet Switch
with PD/DC Dual Power Mode, RJ-45 connector and IP50 housing