Product Specification

10/100M Unmanaged Industrial Ethernet PoE Switches

(FLD-PS-1F2F-I)

Introduction	Image
FLD-PS-1F2F-I PoE switch is specialized for harsh industrial environment. It is classified as power resource equipment, which can be used to power IEEE 802.3af/at compliant powered devices, eliminates the need of additional wiring. With simple operation, excellent quality and competitive price, it provides an economical solution for your industrial Ethernet network, which is also specially designed for the needs of multiplex broadband access with limited optical fibers.	CE FC RoHS

Features & Benefits
❖   2 IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 1 100Base-FX port
❖   Up to 30W at 48V DC power output on each PoE port
❖   Super lightening protection, IP40 protection
❖   Excellent heat elimination without cooling fan
❖   Redundant dual DC power inputs
❖   -40℃-85℃ operating temperature range

Physical Characteristics
❖   Housing: Aluminum Alloy material with IP40 Protection
❖   Dimension: 138mm(L) X 112mm(W) X 60mm(H)
❖   Weight: 640g
❖   Installation: Din-Rail mounting, Wall mounting

Switch Properties

❖ MAC Table Size: 2K

❖ Packet Buffer Size: 6KX64bits

❖ Processing Type: Store and Forward

❖ Exchange Properties: 148800pps (100M)

Interfaces

❖ 2 RJ45 Ports
  ➢ Comply with IEEE802.3, IEEE802.3u, 10/100Base-T(X), IEEE802.3af/at PoE,
  ➢ 10/100Base-T(X) auto negotiation speed
  ➢ Full/Half duplex mode
  ➢ Auto MDI-MDI-X connection
  ➢ Up to 100M Cat-5 transmission distance

❖ 1 Fiber Port
  ➢ Comply with IEEE802.3u, 100Base-FX
  ➢ Rate: 100Mbps
  ➢ Wavelength: 1310nm/1550nm
  ➢ Up to 2Km transmission distance with multi-mode
  ➢ Up to 20km,40km,60km,80km transmission distance with single-mode
  ➢ SC/ST/FC interfaces optional

Power

❖ Input Voltage: 48V DC(46-56VDC), Redundant dual inputs

❖ Input Current: <0.5A @24VDC

❖ Overload Current Protection: Present

❖ Reverse Polarity Protection: Present

❖ Redundant Protection: Present

❖ Connection: 1 removable 6-pin terminal blocks

Environmental Limits

❖ Operating Temperature: -40℃-85℃

❖ Storage Temperature: -40℃-85℃
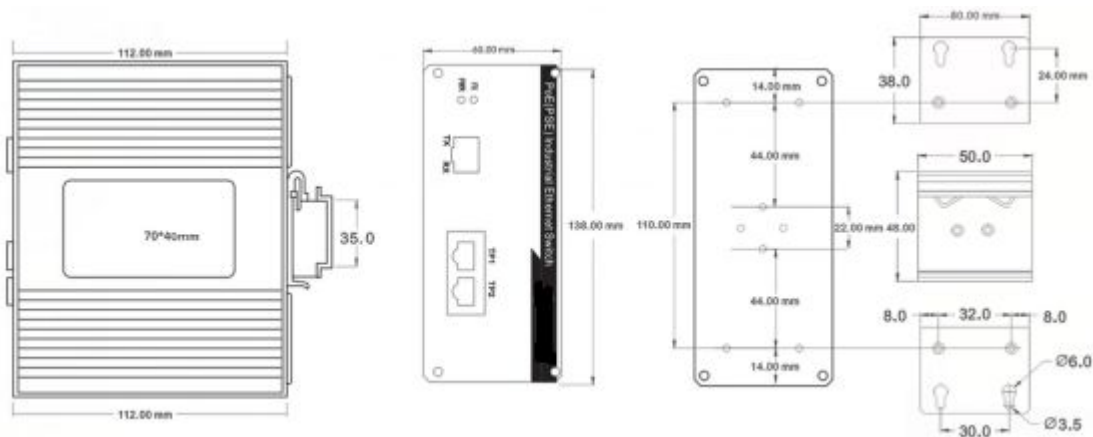
❖ Ambient Relative Humidity: 5%-95% (non-condensing)

Standards

- ❖ EMS:
  - ➢ EN61000-4-2 (ESD)，Level 3
  - ➢ EN61000-4-3 (RS)，Level 3
  - ➢ EN61000-4-4 (EFT)，Level 3
  - ➢ EN61000-4-5 (Surge)，Level 3
  - ➢ IEC61000-4-8(100A/m), Level 3
  - ➢ IEC61000-4-11, Level 3

- ❖ Shock: IEC 60068-2-27

- ❖ Free Fall: IEC 60068-2-32

- ❖ Vibration: IEC 60068-2-6

- ❖ EMI: FCC CFR47 Part 15, EN55022/CISPR22, Class A

- ❖ Industry: IEC61000-6-2

- ❖ Rail: EN50155, EN50121-4

- ❖ Traffic: NEMA TS-2

Warranty

5 years

Dimension   FLD-PS-1F2F-I

Contact :

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