Product Specification

10/100M Unmanaged Industrial Ethernet PoE Switches

(FLD-PS-1F1F-I)

Introduction	Image
FLD-PS-1F1F-I 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.	

Features & Benefits
1 IEEE 802.3af/at PoE compliance 10/100Base-T(X) port 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
1 RJ45 Port 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

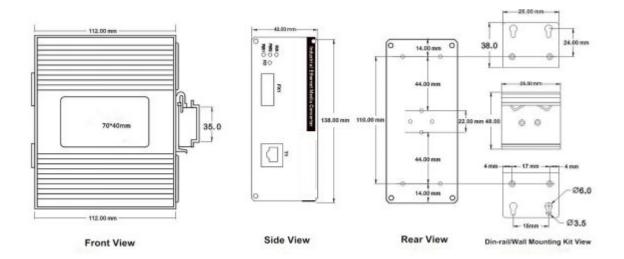| Environmental Limits |
| --- |
| ❖ Operating Temperature: -40℃-85℃ |
| ❖ Storage Temperature: -40℃-85℃ |
| ❖ Ambient Relative Humidity: 5%-95% (non-condensing) |

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-1F1F-I

Front View   Side View   Rear View   Din-rail/Wall Mounting Kit View

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