


Product Specification

10/100M Unmanaged Industrial Ethernet PoE Switches (FLD-PS-1F4F-I)

Introduction	Image
<p>FLD-PS-1F4F-I This unmanaged Ethernet 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.</p> <p>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.</p>	

Features & Benefits
4 IEEE 802.3af/at PoE compliance 10/100Base-T(X) ports and 1 100Base-SX/LX/LH/ZX port
Up to 30W at 48V DC power output on each PoE port
Super lightning protection, IP40 protection
Excellent heat elimination without cooling fan
Redundant dual DC power inputs
-40°C-85°C operating temperature range

Physical Characteristics
Housing: Aluminum Alloy material with IP40 Protection
Dimension: 138mm(L) X 112mm(W) X 42mm(H)
Weight: 470g
Installation: Din-Rail mounting, Wall mounting

Switch Properties

MAC Table Size: 2K

Packet Buffer Size: 6K*64 bit

Processing Type: Store and Forward

Exchange Properties: 148800pps (100M)

Interfaces

4 RJ45 Ports
Comply with IEEE802.3, IEEE802.3u, 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-SX/LX/LH/ZX
Rate: 100Mbps
Wavelength: 850nm/1310nm/1550nm
Up to 550M transmission distance with multi-mode
Up to 20Km,40Km,60Km,80Km transmission distance with single-mode
SC/LC 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°C-85°C

❖ Storage Temperature: -40°C-85°C

❖ Ambient Relative Humidity: 5%-95% (non-condensing)

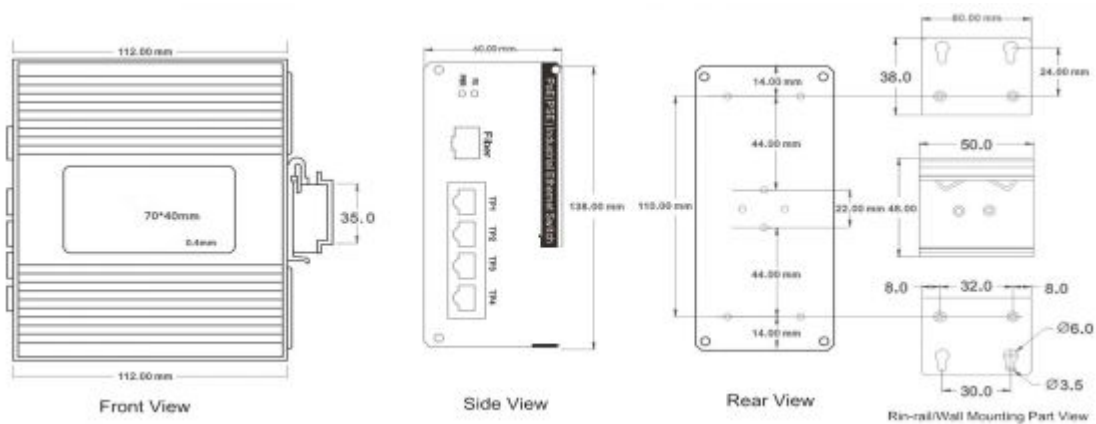
Standards

- ❖ 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-1F4F-I



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