

## Product Specification

### 10/100/1000M Unmanaged Industrial Ethernet PoE Switches (FLD-PS-1G4G-I)

Introduction	Image
<p>FLD-PS-1G4G-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.</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 10/100/1000Base-T(X) ports and 1 1000Base-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 60mm(H)
Weight: 640g
Installation: Din-Rail mounting, Wall mounting

## Switch Properties

MAC Table Size: 1K

Packet Buffer Size: 1M bit

Processing Type: Store and Forward

Exchange Properties: 1488000pps (1000M)

## Interfaces

4 RJ45 Ports

Comply with IEEE802.3, IEEE802.3u, IEEE802.3af/at PoE,  
10/100/1000Base-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: 1000Mbps  
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

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

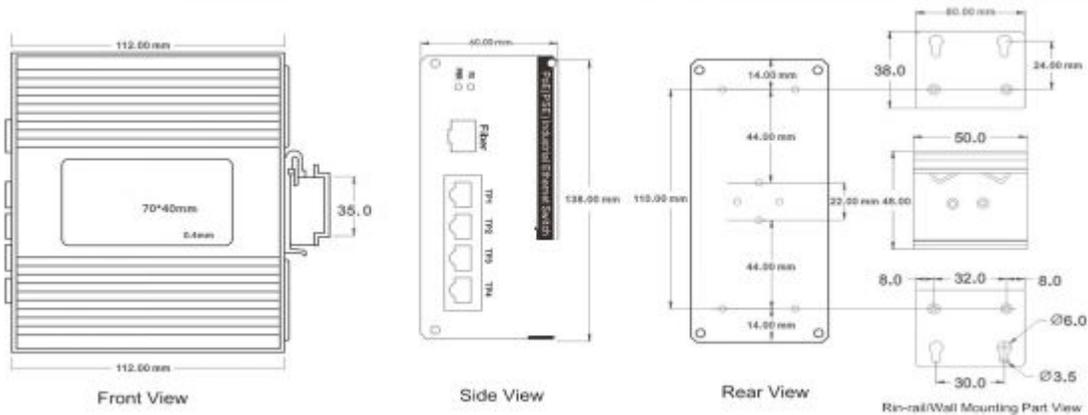
## Standards

- ❖ 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-1G4G-I



## Contact :

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