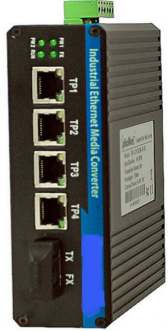# Product Specification

10/100M Unmanaged Industrial Ethernet Switches

(FLD-S-1F4F-I)

Introduction	Image
This industrial media converter FLD-S-1F4F-I is specially designed for industrial application, which provides fast and stable media conversion between 10/100BaseTX and 100BaseFX. It also meets the requirements of long distance, high speed, and wide broadcast. *With wide range operation temperature, alloy aluminum shell and other excellent industrial-grade design against vibration and shock, it could keep your industrial automation applications running continuously in different harsh environments.*	

Features & Benefits
❖ 4 10/100Base-T(X) ports and 1 100Base-FX port
❖ -40℃-85℃ operating temperature range
❖ Super lightening protection, IP40 protection
❖ Excellent heat elimination without cooling fan

Physical Characteristics
❖ Housing: Aluminum Alloy material with IP40 Protection
❖ Dimension: 138mm(L) X 112mm(W) X 42mm(H)
❖ Weight: 480g
❖ Installation: Din-Rail mounting, Wall mounting

Switch Properties

❖ MAC Table Size: 2K

❖ Packet Buffer Size: 1M bit

❖ Processing Type: Store and Forward

❖ Exchange Properties: 148800pps (100M)

Interfaces

❖ 1 100Base-FX port (SC/ST/FC/LC connectors optional)

❖ 4 RJ45 Ports: 10/100Base-T(X) auto negotiation

Power

❖ Input Voltage: 24V DC(18-36VDC) Redundant dual inputs

❖ Input Current: <0.5A @24VDC

❖ Overload Current Protection: Present

❖ Reverse Polarity Protection: Present

❖ Redundant Protection: Present

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

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