


## Product Specification

### 10/100M Unmanaged Industrial Ethernet Switches (FLD-S-2F1F-I)

| Introduction  | Image  |
|---|--|
| <p>This unmanaged industrial Ethernet switch FLD-S-2F1F-I is designed to match the critical industrial standards. With reliable and simple operation against vibration and shock, and wide operation temperature range, it could match a variety of harsh environment. The switch complies with CE, FCC and RoHS standards, and passed the 100% burning test to ensure that it will fulfill the needs of industrial applications. It is a good choice for an economical solution for industrial Ethernet connections.</p> |  <p>The image shows a black industrial Ethernet Media Converter with a blue front panel. It features a green fiber optic port at the top, a BNC connector, and two RJ45 ports labeled F1 and F2. The text 'Industrial Ethernet Media Converter' is printed vertically on the blue panel. Below the device are the CE, FCC, and RoHS certification logos.</p> |

| Features & Benefits                              |
|--|
| ❖ 1 10/100Base-T(X) ports and 2 100Base-FX port  |
| ❖ -40°C-85°C operating temperature range         |
| ❖ Super lightning 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

- ❖ 2 100Base-FX port (SC/ST/FC/LC connectors optional)
- ❖ 1 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°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

