


Product Specification

10/100/1000M Unmanaged Industrial Ethernet Switches MINI type (FLD-S-1G2G-IM)

Introduction	Image
<p><i>This industrial media converter FLD-S-1G2G-IM is specially designed for industrial application, which provides fast and stable media conversion . It also meets the requirements of long distance, high speed, and wide broadcast.</i></p> <p><i>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.</i></p>	

Features & Benefits
❖ 2 10/100/1000Base-T(X) port and 1 1000Base-SX/LX/LH/ZX fiber port
❖ 10/100/1000M auto-negotiation , Full/Half duplex mode, auto-MDI-MDI-X
❖ Super lightning 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: 98mm(L) X 78mm(W) X 32mm(H)
❖ Weight: 270g
❖ Installation: Din-Rail mounting, Wall mounting

Switch Properties

- ❖ *MAC Table Size: 8K*
- ❖ *Packet Buffer Size: 1Mbit*
- ❖ *Processing Type: Store and Forward*
- ❖ *Exchange Properties: 1488000pps (1000M)*

Interfaces

- ❖ *2 RJ45 Port*
 - *Comply with IEEE802.3, IEEE802.3u, IEEE802.3ab, 10/100/1000Base-T(X)*
 - *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 IEEE802.3z*
 - *Rate: 1000Mbps*
 - *Wavelength: 850/nm1310nm/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: 24V DC(6-36VDC), 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

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