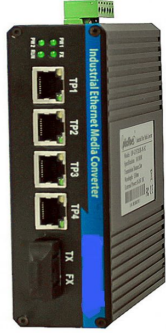# Product Specification

10/100/1000M Unmanaged Industrial Ethernet Switches

(FLD-S-1G4G-I)

Introduction	Image
This unmanaged industrial Ethernet switch FLD-S-1G4G-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.	

Features & Benefits
4 1000Base-T(X) ports and 1 1000Base-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: 1K
Packet Buffer Size: 1M bit
Processing Type: Store and Forward
Exchange Properties: 1488000pps (1000M)

Interfaces
4 RJ45 Ports: 1000Base-T(X) auto negotiation
1 1000Base-FX port (SC/ST/FC connectors optional)

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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