

Product Specification

10/100/1000M Unmanaged Industrial Ethernet PoE Switches (FLD-PS-2G8G-I)

Introduction	Image
<p>FLD-PS-2G8G-I PoE Switch is designed for critical industrial application, with reliable and simple operation against vibration and shock and other disturbances. It is classified as power source equipment (PSE) and provides up to 30W of power per PoE ports, eliminates the need of additional wiring.</p> <p>With the wide temperature range for operation, this switch meets the requirements of reliability and practicality of network in different kinds of industrial environments.</p>	 <p>The image shows a black industrial Ethernet PoE switch with a blue front panel. It features 8 RJ45 ports labeled 1 through 8, two DC power inputs, and a green fiber optic port. The text 'MGT Industrial Ethernet Switch' is visible on the front panel.</p>  <p>Below the switch image are three certification logos: CE, FCC, and RoHS.</p>

Features & Benefits
8 IEEE 802.3af/at PoE compliance 10/100/1000Base-T(X) ports and 2 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: 8K

Packet Buffer Size: 1Mbit

Processing Type: Store and Forward

Exchange Properties: 1488000pps (1000M)

Interfaces

8 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

2 Fiber Port

Comply with IEEE802.3u, 100Base-SX/LX/LH/ZX

Rate: 1000Mbps

Wavelength: 850nm/1310nm/1550nm

Up to 2Km 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

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- ❖ Storage Temperature: -40°C-85°C
- ❖ Ambient Relative Humidity: 5%-95% (non-condensing)

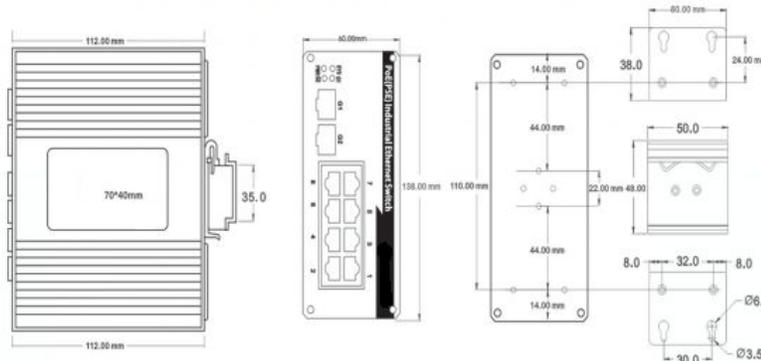
Standards

- ❖ 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

Dimension FLD-PS-2G8G-I



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