

**Product Model** LGS2000-F-2FE1FX-I

**Product Image**



**Product Overview**

LSG2000-F-2FE1FX-I is one of Leagrid green low power optical transceiver series which can be deployed in many industrial scenarios including but not limited to smart city, wind power, grid distribution, oil & gas networking and many other industrial applications. It supports 2 x 10/100Mbase-TX copper ports and 1 x 100Base-FX pluggable fiber port. The maximum power consumption is lower than 2W, IP40 design and EMC level 4 can effectively resist the interference of static, lightning and pulses, strong vibration-resistant mounting clip for DIN-Rail installation, operating temperature range from -40°C to 85°C.

**Technical Specification**

**Standard**

IEEE 802.3i  
IEEE 802.3u  
IEEE 802.3x

**Switch Properties**

MAC Table: 2K  
Packet Buffer: 1M  
Packet Forwarding Rate: 0.8Mpps  
Switching Delay: <5us

**Interface**

Fiber Ports: 1 100Base-Fx (FC/SC/ST optional)  
RJ45 Ports: 2 10/100Base-Tx RJ45 ports

**LED**

Power LED: P1 P2  
Interface LED: RJ45 (Link&ACT)  
Fiber: F (Link&ACT)

**Power Requirements**

Power Terminal: 4-pin 5.08mm-spacing plug-in terminal block  
Full load power consumption: < 2W

Overload Protection: Support  
Reverse Connection Protection: Support  
Redundancy Protection: Support

**Physical Characteristics**

Housing: Metal, fanless  
Protection Class: IP40  
Dimensions : 30mmx84mmx92mm(W×H×D)  
Weight: 0.25kg  
Mounting: DIN-Rail or Panel mounting

**Industry Standard**

EMI:  
FCC CFR47 Part 15, EN55022/CISPR22, Class A  
EMS:  
IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)  
IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)  
IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV  
IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV  
IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)  
IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)

**Machinery:**

IEC60068-2-6 (Vibration)  
IEC60068-2-27 (Shock)  
IEC60068-2-32 (Free Fall)

**Approvals**

CE, FCC, RoHS

**Quality Assurance**

MTBF: 357,000 hrs

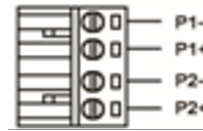
Warranty: 3 years

**Environmental Limits**

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

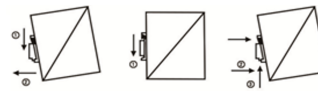
**Installation**

Power Access

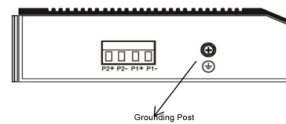


4pin 5.08mm terminals  
Power Input: 12V-36VDC  
P1&P2 dual redundant power supplies,  
Support reverse connection protection function

DIN-rail mounting



Ground protection



**Machanical Drawing**

