

Product Model

LGS2000-F-4PGE1GE1GF-I

Product Image



Product Overview

LGS2000-F-4PGE1GE1GF-I is a Gigabit POE switch of Leagrid industrial Ethernet series. It provides 4 x 1000M POE copper ports, 1 x 1000M copper port and 1 x 1000M Fiber port. The full-loading maximum power consumption is less than 4 watts (excluding POE loading). EMC level 4 can effectively resist the interference of static electricity, lightning strikes and pulses; corrugated high-strength aluminum profile shell, IP40 grade, low-power design, seismic guide rail installation, supports wide operating temperature range from -40°C to 85°C; LGS2000-F-4PGE1GE1GF-I offers fast & reliable networking and it is suitable for intelligent transportation, energy, electricity, security and other industrial applications.

Technical Specification

Standard

IEEE 802.3 10Base-T
 IEEE 802.3u 100Base-Tx
 IEEE 802.3ab 1000Base-T
 IEEE 802.3z 1000Base-X

Switch Properties

MAC Table: 8K
 Packet Buffer: 1M
 Packet Forwarding Rate: 8.928Mpps
 Switching Delay: <5us

Interface

Fiber Ports: 1 1000Base-X (SFP)
 RJ45 Ports: 5 10/100/1000Base-T(RJ45)

LED

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

Power Requirements

Power Terminal: 5-pin 3.81mm-spacing plug-terminal block
 Full load power consumption: < 4W (POE < 120W)

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

POE Function

IEEE 802.3.af: Supported 15.4W/port
 IEEE 802.3.at: Supported 30W/port

Physical Characteristics

Housing: Metal, fanless
 Protection Class: IP40
 Dimensions : 30mmx134mmx90mm(WxHxD)
 Weight: 0.50kg
 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: 360,000 hrs

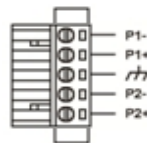
Warranty: 3 years

Environmental Limits

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

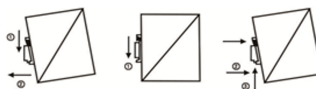
Installation

Power Access



5pin 3.81mm terminals
 Power Input: 48V-52VDC
 P1&P2 dual redundant power supplies,
 Support reverse connection protection function

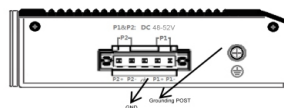
DIN-rail mounting



Panel mounting



Ground protection



Machanical Drawing

