LEAGRID™

Product Model	LGS2000-8GE2GX-S

Product Image

Product Overview

The LGS2000-8GE2GX-S is a green low-power lite-managed industrial Ethernet switch that can be deployed in many industrial scenarios, including but not limited to smart cities, wind power generation, grid distribution, oil and gas networking, and many other industrial applications. It supports 8 x 10/100/1000base-TX copper ports and 2 x 100/1000Base-FX pluggable fiber ports. The maximum power consumption is less than 2W, IP40 and EMC Class 4 design can effectively resist static, lightning and pulse interference, vibration-resistant rail mounting, and it can work in harsh environments from -40℃ ~ 85℃.

Technical Specification

Standard
IEEE 802.3i 10Base-T
IEEE 802.3u 100Base-Tx 100Base-Fx

Switch Properties
MAC Table: 1K
Packet Buffer: 448K
Packet Forwarding Rate: 0.744Mpps
Switching Delay: <5us

Interface
Fiber Ports: 2 100Base-Fx (FC/SC/ST optional)
RJ45 Ports: 8 10/100Base-Tx RJ45 ports

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

Power Requirements
Power Terminal: 5-pin 3.81mm-spacing plug-interminal block
Full load power consumption: 4port RJ-45+1 port Fiber < 2W

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

Physical Characteristics
Housing: Metal, fanless
Protection Class: IP40
Dimensions : 30mmx115mmx92mm(W×H×D)
Weight: 0.45kg
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
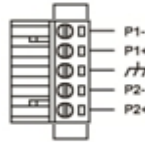
MTBF: 360,000 hrs

Warranty: 3 years

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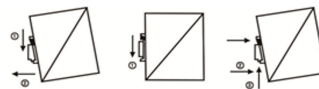Ambient Relative Humidity: 5 to 95% (non-condensing)

Power Access

5pin 3.81mm terminals
Power Input：12V-36VDC
P1&P2 dual redundant power supplies,
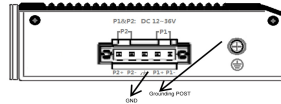Support reverse connection protection function

Installation

Panel mounting

DIN-rail mounting

Ground protection

Machanical Drawing