

Product Model LSG2000-F-8GE4GF-T

Product Image



Product Overview

LSG2000-F-8GE4GF-T is a full Gigabit Ethernet switch, not only providing 8 Gigabit Ethernet ports for upgrading the existing network infrastructure, but also providing 4 Fiber ports for various applications such as new energy or surveillance with better redundancy. It supports IEEE1588. A full Gigabit network provides a higher bandwidth than the legacy Fast Ethernet network and reduces the response time for time-sensitive applications. With the powerful features, LGS2000-F series managed switches can easily to prioritize, partition and organize the network to provide reliable and high-quality services.

Technical Specification

Ethernet
Store and forward, L2 wire-speed/non-blocking switching engine

Standard
IEEE 802.3 10Base-T, IEEE 802.3u 100Base-Tx
IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X
IEEE802.1D STP, IEEE802.1W RSTP, IEEE 802.1s MSTP
IEEE802.3X(Full Duplex) and Back-Pressure (Half Duplex)
IEEE802.1Q tag-based VLANs, IEEE802.1ad Double Tagging(Q in Q)

Switch Properties
MAC Table: 8K
MAX VLANs: 256
Packet Forwarding Rate: 4Mpps
Switching Delay: <5us

Interface
Fiber Ports: 4 1000Base-X (SFP)
RJ45 Ports: 8 10/100/1000 Base-Tx RJ45 ports
Multicast protocols
IGMP V1 / V2 / V3
IGMP snooping and querying
Immediate leave and leave proxy
Throttling and filtering
IEEE802.1ab Link layer Discovery Protocol(9(LLDP))IEEE 1588
PTP BC and TC
9K Jumbo frames
L2 wire-speed switching engine
4K MAC forwarding addresses
Network redundant Port Trunking, Spanning tree (STP, RSTP & MSTP), and Ring protection (< 20 ms)

Traffic management & Qos
IEEE802.1P Qos
Number of queues per port: 8
SPQ, WRR, SPQ+WRR
port-based shaping

Security
IP and MAC-based access control
IEEE802.1X Authentication Network Access Control
Multicast/Broadcast/Flooding Storm Control

Management
Cisco-like CLI (command line interface)
WEB-based Management
SNMP v1, v2 and v3
Telnet, HTTPs, SSH
Web for Configuration Import/Export.
Web for Firmware Upgrade
Syslog
Per VLAN mirroring
Ethernet Copper connection diagnostic tool SFP with DDM
MIBS, Client, Server, Relay, Snooping
Support NTP/SNTP
Device info/status, Ethernet port status

Physical Characteristics
Housing: Metal, fanless
Protection Class: IP40
Dimensions: 57.5mmx160mmx129mm(WxHxD)
Weight: 0.45kg
Mounting: DIN-Rail or Panel mounting

Power
Redundant Input Terminals
12-36VDC
Reverse power protection
Indicators
Power Status indication indication of power input status
Ethernet port indication Link&Speed

Industry Standard
EMC:
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)

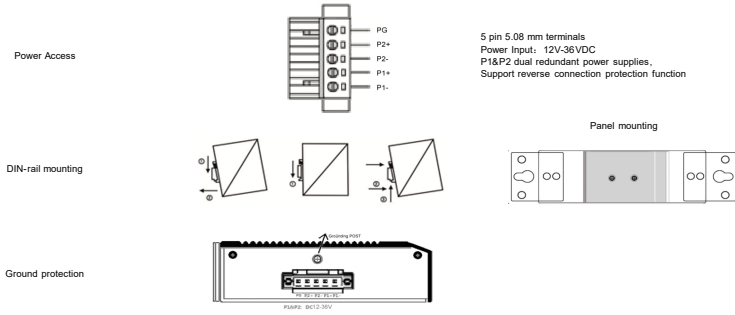
Machinery:
IEC60068-2-6 (Vibration)
IEC60068-2-27 (Shock)
IEC60068-2-32 (Free Fall)

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



Mechanical Drawing

