Product Model LGS2000-F-8GE2GF-M

Product Image

Product Overview

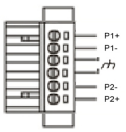
LGS2000-F-8GE2GF-M is a full Gigabit Ethernet switch,not only providing 8 Gigabit Ethernet ports for upgrading the existing network infrastructure,but also providing 2 Fiber ports for various applications such as new energy or surveillance with better redundancy. A full Gigabit network provides a higher 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: 2 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 Protocol9(LLDP)
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：63.5mmx157mmx110mm(W×H×D)
Weight：0.45kg
Mounting：DIN-Rail or Panel mounting
Power
Redundant Input Terminals
12-36VDC
Reverse power protcetion
Indicators
Power Status indication Indication of power input status
Ethernet port indication Link&Speed
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

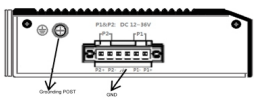


6pin 3.81mm terminals
Power Input：12V-36VDC
P1&P2 dual redundant power supplies,
Support reverse connection protection function

DIN-rail mounting

Panel mounting

Ground protection



Machanical Drawing