LEAGRID™

Product Model	LGS2000-F-24GE4GF-M

Product Image

Product Overview

LGS2000-F-24GE4GF-T is a full Gigabit Ethernet switch,not only providing 24 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，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: 24 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)
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 : 440mmx44mmx315mm(W×H×D)
Weight: 4kg
Mounting: Rack mounting

Power
Redundant Input Terminals
12-48VDC
Reverse power protcetion
Indicators
Power Status indication   pIndication 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)

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 5.08mm terminals
Power Input: 90-260VAC
P1&P2 dual redundant power supplies,
Support reverse connection protection function

Rack mounting

Ground protection

Machanical Drawing