

Product Model

LGS2000-F-8GE4GF-SAFE

Product Image



Product Overview

LGS2000-F-8GE4GF-SAFE intrinsically safe industrial switch supports 4 Gigabit SFP optical ports, 8 Gigabit adaptive electrical ports, perfect QoS/CES policy and multiple priority queue scheduling algorithms, ACL access control lists, GRMP, IGMP Snooping and static multicast, STP, RSTP, MSTP Spanning tree technology; compact product design, easy to install supporting; use industrial power input, support relay power-down, fiber drop, storm alarm output, low-power design to ensure the ability of the device to work stably and reliably in harsh industrial environments such as coal mines.

Technical Specification

Switching function

Support VLAN, GVRP
Support port speed limit, support storm suppression
Support port aggregation
Support port flow control

Redundancy Technology

Support VRRP, EAPS
Support MW-Ring ring technology
Support MSTP/RSTP, compatible with STP

Multicast technology

Support IGMP v1/v2/v3, IGMP Snooping
Support GMRP, support static multicast

Switching method

Store-and-forward

Backplane Bandwidth

24G

Cache size

4Mbit

Management functions

Support CLI, WEB management mode, LLDP, SNMPv4
Support SNMPv1/v2c, ACL
Support unified upper computer software management

Power supply

Input voltage: DC9~24V
Input power consumption: 12W@24V full load
Overcurrent protection: Built-in

Gigabit ports

8 x 10/100/1000Base-T+ 4 x 1000Base-LX interface

Electrical port parameters

Physical interface: RJ45 port, IEEE802.3 standard
RJ45 port: 10/100/1000Base-T (Gigabit) support auto-negotiation function
Transmission distance: <100m

Optical port parameters

Physical interface: SFP port, IEEE802.3z standard
Light-emitting power: >-12dBm (single-mode) >-17dBm (multimode)
Receiving sensitivity: <-38dBm (single-mode) <-35dBm (multimode)
Wavelength: 1310nm (single mode) 1550nm (single mode) 1310nm (multi-mode)
Transmission distance: <2Km (gigabit multimode)
Connector type: LC
Transmission rate: 1.25Gbps (Gigabit)

Mechanical parameters

Dimensions 146mm×26.8mm×172mm(W×H×D)
Heat dissipation situation: aluminum alloy surface heat dissipation
Installation method: Positioning hole installation

Standards

IEEE 802.3i(10Base-T)
IEEE 802.3u(100Base-T)
IEEE 802.3ab(1000Base-T)
IEEE 802.3z(1000Base-SX/LX)
IEEE 802.3ae(10GBase-X)
IEEE 802.3ad (port aggregation)
IEEE 802.3x (flow control)
IEEE 802.1p(Priority)
IEEE 802.1Q(VLAN)
IEEE 802.1w (RSTP)
IEEE 802.1s (MSTP)
IEEE 802.1x

Environment

Operating temperature -40℃~+75℃
Storage temperature -40℃~+85℃
Relative humidity 5-95% non-condensing

Certification

CE, FCC, RoHS

Quality Assurance

MTBF: 360,000 hrs