Product Image



LGS2000-ICS-21 series switch is a DIN-rail gigabit switch, which can support 4 gigabit optical ports, 8 gigabit electrical ports, 4 serial/485 ports, 2 CAN interfaces; using Linux 2.6.26 operating system, standard file system, supporting user protocol custom development; supporting RSTP, VLAN, multicast, QoS, SSH, ERPS and other rich software features; supports console, SSH and other management methods. It supports RSTP. VLAN, multicast, QoS, SSH, ERPS and other rich layer 2 software features; support sonsole, SSH and other management methods. At the same time, the industry's first to support the international standard ERPS ring protocol (self-healing time <20ms), a change in the current situation of incompatible ring protocols of various manufacturers, while being able to mix the net with equipment that does not support the protocol, suitable for a variety of network applications that require high-precision clock synchronization.

Support for 485 interface, Modbus TCP, TCP/UDP data transit, and custom customization development.
Support for CAN bus interface, TCP/UDP data transit, and custom custom development.
International standard redundancy technology: support for various redundancy mechanisms such as RSTP and ERPS (self-healing time < 20ms).
Rich network and security features: support for VLAN, RSTP, multicast, port mirroring, QoS, ACL and other Layer 2 features.
ASIC-based high-speed hardware data flowarding mechanism.

Indicator Light Run indicator is Run Alarm indicator:Alarm Power indicator:PWR1,PWR2 Interface indicator:Link/ACT,Spr

Transmission distance
Twisted-pair cable: 100 m (using standard CATS,CATSe network cable)
Multimode fiber: 1310mm, 5km (100 megabit); 850mm, 550m (Gigabit)
Support VLAN
Single-mode fiber: 1310mm, 40km/80km (100 megabit)
1550nm, 90km/80km/(100GbE)
1310mm, 10km/40km(Gigabit)
1550nm, 60km/80km(Gigabit)
Support broadcast s
Support broadcast s
Support broadcast s

Power supply Input voltage: 24 V/48V wide power supply Access terminal: 5 core 5 08mm pitch plug-in terminal Power: 415W Overfoad protection: Support Reverse connection protection: Support Reverse connection protection: Support Redundancy protection: Dual power supply redundancy

Mechanical structure Protection level: IP40 Industrial Grade: Industrial Grade IV Size: 84mmH×135mmW×132mmD Weight: Specification 1.2Kg

Protection level: IP40

Software Features
Redundancy technology
Support ERPS (self-healing time <20ms)
Support RSTP
Multicast
Support IGMP Snooping
Support static multicast

Support PVLAN
Port aggregation support
Port flow control
Support broadcast storm suppression
Support port rate management

Serial Protocol
Support serial to Ethernet transparent transmission, TCP/UDP protocols, user-defined protocols
Support Mobilus TCP and Modbus data collection management Security Technology
Support SSH

Support blacklist, whitelist Support ACL

Environment

Working temperature:-40 °C ~+80 °C
Storage temperature:-40 °C ~+85 °C
Relative humidity:5~95% no condensation

Warranty MTBF:346889 h Warranty period:5 years

Quality of Service Management

QoS support

Support for strict priority queuing and weighted priority queuing
Management and Maintenance

Support CLI, SSH, WEB and other management methods

Support CLI, SSH, WEB and other management methods

Support SMMP+V1/2/V3, ROMON, SNTP

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Support TFPIPTP upgrade, support togging and uploading

Device maintenance: support port mirroring

Alarm culput: Dover, port and ring alarms

Product Specifications

Ports
Gigabit interface: 8GE (1000Base-T), 2/4GX (1000Base-LX, SFP interface)
Serial/485: 4 x 485/serial ports
2 CAN bus interfaces
CONSOLE port: 1×RS 232 communication serial port, 115200 baud ...

Switching attributes
Priority queue: 4
Number of VLANs: 4094
VLAN ID: 17–4094
Number of multicast groups: 256
MAC table: 81
Packet buffer: 4Mbit
Packet forwarding rate: 9.5Mpps
Switching delay: <5µs

Certification
State Grid Class A
Implementation Standard
IEEE 802.3(100Base-T)
IEEE 802.3(100Base-T)
IEEE 802.3(100Base-T)
IEEE 802.3(100Base-T)
IEEE 802.3(100Base-S)
IEEE 802.3(100Base-S)
IEEE 802.3(100Base-S)
IEEE 802.1(100Base-S)
IEEE 802.1(100Base-S)
IEEE 802.1(100Base-S)
IEEE 802.1(100Base-S)
IEEE 802.1(100Base-S)
IEEE 802.1(100Base-S)
IEEE 802.1(10Base-S)
IE

Reliability and Security
EMI-FCCCFR47 Part 15.EN55022/CISPR22_Class A
EMIC/IEC61000-42[ESD] x8bV/contact).115kV(air)
IEC61000-43[ES] 10V/m(60M82-"2GHz)
IEC61000-45[FT] Power Port:44W/ Dala Port:22W
IEC61000-45[Surge] Power Port:22kV/DML±kV/CM.Data
Port:22W
IEC61000-45[Surge] Power Port:52kV/JML±kV/CM.Data

80MHz) IEC61000-4-8(FT magnetic field) 100A/m(cont.),1000A/m(1s

IEC61000-4-8(FT magnetic field) 1000A/m

-3a)

IEC61000-4-9(Impulse magnetic field) 1000A/m

IEC61000-4-10(Damped oscillation) 100A/m

IEC61000-4-12(Oscillation wave) 2.6kV/cM,1kV/DM

IEC61000-4-12(Oscillation wave) 2.6kV/cM,1kV/DM

IEC61000-4-16(Common mode conduction)

30V(con1), 300V(1s)

Mchanical: EC60068-2-8(Vibration) IEC60068-2-27(Shock)

IEC60068-2-32(Free fall)

Industrial: IEC61000-8-2

Power: IEC61850-3.IEEE1613

Railroad: EN00155.EM50121-4

Traffic control:NEMA TS-2

Machanical Drawing





