Lanbras

CSL3LR-02S08G-Z

L3 Lite Managed Ethernet Switch 8x10/100/1000Base-T, 2xGigabit SFP

Overview

A cost-effective and high-performance solution designed for small to medium-sized networks. This compact switch features 8x 10/100/1000Base-T RJ45 copper ports for flexible Ethernet connectivity and 2x Gigabit SFP uplink ports for fiber or long-distance transmission needs. Each RJ45 port supports auto-rollover and wire-speed forwarding capabilities. The store-and-forward method is used, combined with QoS technology, to ensure that bandwidth is effectively allocated to each port and provides stable and reliable data transmission. With Layer 3 Lite capabilities, it supports basic routing functions, ensuring efficient traffic management and enhanced network control.Ideal for enterprise access layers, branch offices, and smart building deployments, this switch combines reliability with easy management, making it suitable for a wide range of commercial applications.

Features

- Support IEEE802.3/IEEE802.3u/IEEE802.3ab/IEEE802.3z, store-and-forward
- Flow control mode: full-duplex adopts IEEE 802.3x standard, half-duplex adopts Back pressure standard
- Support port auto flip (Auto MDI/MDIX)
- Panel indicator monitoring the status and help failure analysis
- Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management
- Surge Protection: General 4KV, Differential 2KV, ESD 8KV air, 6KV contact

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Specifications

Provider Mode Ports	
Fixed Port	2*1000 Base-X, 8*10/100/1000 Base-T
Management Port	Console
Power Interface	AC triangular seat
LED Indicators	PWR, SYS, Link/ACT LED

Cable Type & Transmission Distance	
Twisted-pair	0-100m (CAT5e, CAT6)
Mono-mode Optical Fiber	20/40/60/80/100KM
Multi-mode Optical Fiber	550m

Network Topology	
Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support

Electrical Specifications	
Input Voltage	AC100~240V, 50/60Hz
Total Power Consumption	≤10w

Layer 2 Switching	
Switching Capacity	20Gbps
Packet Forwarding Rate	14.88Mpps
MAC Address Table	8K
Buffer	4.1M
Forwarding Delay	<10us
VLAN	256
GVRP	Support
Protocol VLAN	Support
Voice VLAN	Support
Surveillance VLAN	Support
MAC VLAN	Support

Ethernet Channel/ 802 .3ad	Support
LACP	Support
Interface Speed	Support
Duplex Mode	Support
Flow Control	Support
Jumbo Frame	Support
DHCP Client	Support
SNTP Client	Support
Port Statistics	Support
Protected Ports	Support
EEE	Support
Ethernet Ring Protection Switching	Support
LLDP	Support
LLDP 802.1 TLV	Support
MSTP / RSTP / STP	Support
STP BPDU Filter	Support
STP BPDU guard	Support
STP Port Fast	Support
IGMP Snooping	Support
MLD Snooping	Support
MVR	Support
DHCP Interface Priority IP Binding	Support
Device Scan	Support
Layer 3 Route	
IPV4 Management Address	Support
IPV6 Management Address	Support
Static Routes IPv4	Support
Static Routes IPv6	Support
ARP	Support
Loopback Interface	Support
DHCP Server	Support
DNS Server	Support

DNS Client	Support

Convergence & Equipment Diagnosis

ACL	Support MAC standard/expand ACL Support IPv4 standard/expand ACL Support IPv6 standard/expand ACL
QoS	Support QoS re-marking, port trust Support port rate limiting Support egress rate-limited Support SP, WRR queue scheduling Support COS mapping, DSCP mapping, IP priority mapping
Equipment Diagnosis	Support Console/RAM/Flash Log Support Port mirroring 1:1 or 1:M Support Ping Support Trace-route Support Copper test Support Optical transceiver DDM Support UDLD protocol

Management & Security

CLI / Console	Support
RMON	Support
WEB Management	Support
SNMP	Support SNMPv1/v2c/v3
User Management	Support
System Log	Support
Configuration File Download/ Upload Telnet/SSH	Support
Upgrade Firmware	Support
Security	Support managing channel configuration Support AAA/802/1X/MAC-Based/WEB-Based authentication Support DoS attack prevention Support dynamic ARP check Support DHCP Snooping Support IP Source Guard Support port Security Support port Isolation Support storm control

Environment

Operating Temperature	-10°C~+50°C

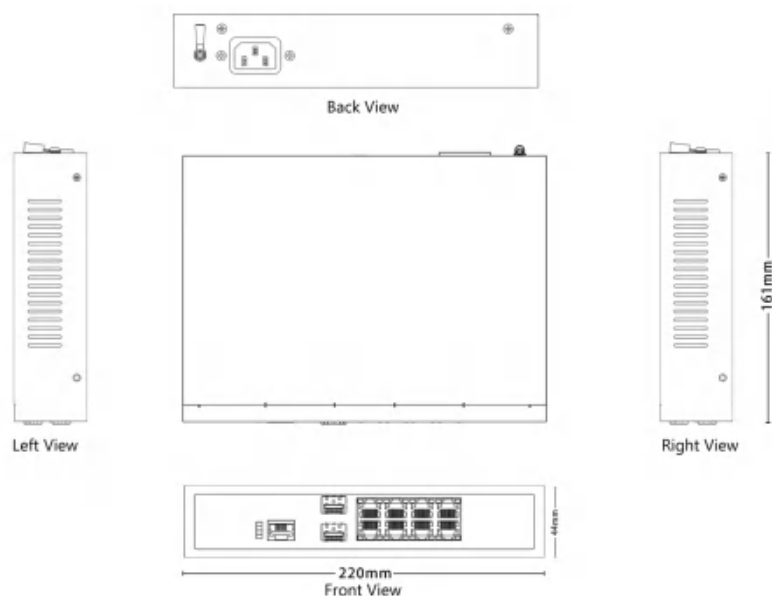|	
Storage Temperature	-40°C~+85°C
Relative Humidity	10%~90% (non-condensing)
Thermal Methods	Fan-less design, natural heat dissipation
MTBF	100,000 hours
Mechanical Dimensions	
Product Size	220*161*44mm
Installation Method	Desk-top
Net Weight	0.97kg
EMC & Ingress Protection	
Surge Protection of Power	IEC 61000-4-5 Level 4 (6KV/2KV)
Surge Protection of Ethernet port	IEC 61000-4-5 Level 4 (4KV/2KV)
ESD	IEC 61000-4-2 Level 4 (8K/15K)
Free Fall	0.5m
Certificate	CE, FCC, RoHS

Dimension

Ordering Information

P/N	Description
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https://www.lanaotek.com

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