

# CSL3LR-04C16G-Z

L3 Lite Managed Ethernet Switch

16x10/100/1000Base-T, 4xGigabit Combo (RJ45/SFP)



## Overview

This switch is a high-performance, commercial-grade L3 Lite managed Ethernet solution designed for reliable and flexible network deployment. It features 16x 10/100/1000Base-T ports for wired connectivity and 4x Gigabit combo ports (RJ45/SFP) for uplink or fiber connections. The switch provides essential Layer 3 routing capabilities, advanced management functions, and robust security features, making it ideal for small to medium-sized enterprise networks, campus environments, or branch offices. Its RJ45 ports support auto - MDI/MDIX and wire-speed forwarding for efficient data transfer. Employing the store - and - forward method along with QoS technology, it ensures rational bandwidth allocation per port.

## Features

- Transfer data for network surveillance cameras
- 16 x 10/100/1000Mbps RJ45 Ports, 2 x 100/1000Mbps SFP+ Ports, 1 x Console Port
- Ethernet port supports 10/100/1000M adaptive
- Panel indicator monitoring the status and help failure analysis
- Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication
- DOS attack defense settings, ACL settings
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management
- Lightning Protection Surge: General Mode 4KV, Differential Mode 2KV, ESD 15KV

## Specifications

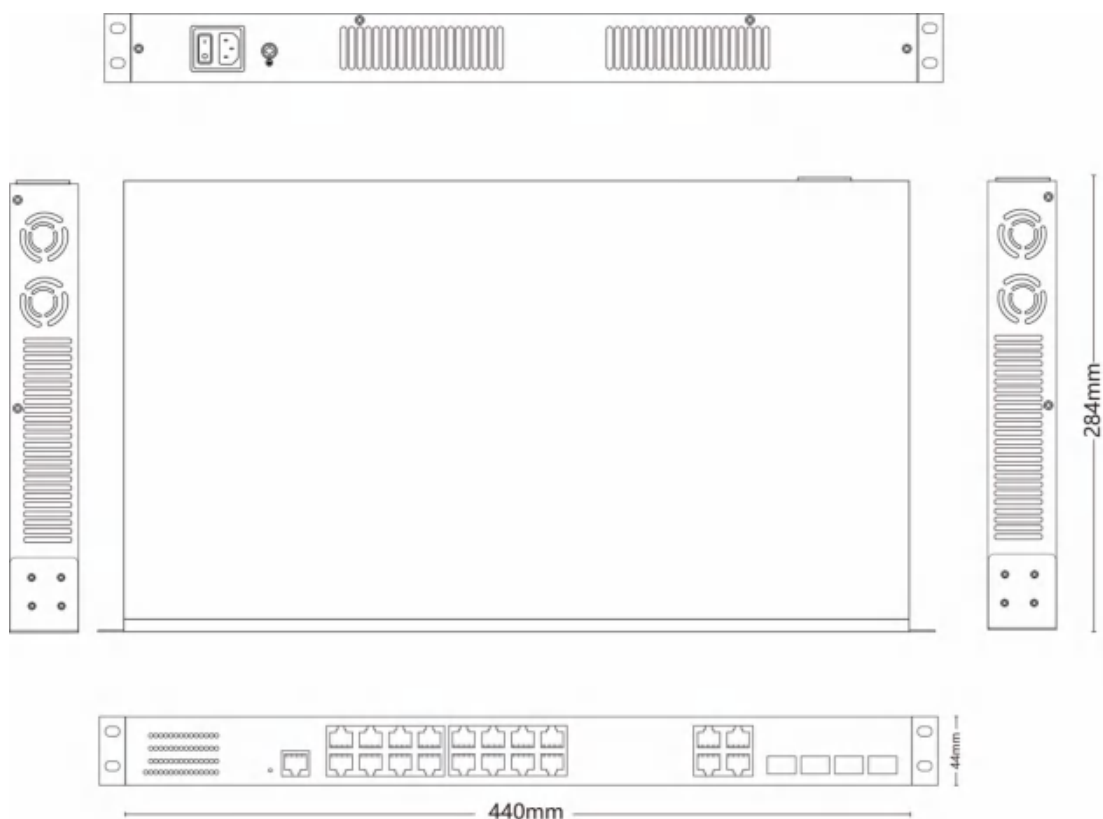
Fixed Port	4*100/1000 Combo, 16*10/100/1000 Base — T
Management Port	Console
Power Interface	AC triangular seat
LED Indicators	PWR, SYS, Link/ACT LED
<b>Cable Type &amp; Transmission Distance</b>	
Twisted-pair	0-100m (CAT5e, CAT6)
Single Mode Optical Fiber	20/40/60/80/100KM
Multi Mode Optical Fiber	550m
<b>Network Topology</b>	
Ring Topology	Support
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
<b>Electrical Specifications</b>	
Input Voltage	AC 100-240V 50/60Hz
Total Power Consumption	<20w
<b>Layer 2 Switching</b>	
Switching Capacity	56Gbps
Packet Forwarding Rate	29.76Mpps
MAC Address Table	8K
Buffer	4.1M
Forwarding Delay	<10us
MDX/MIDX	Support
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 Server	Support
DHCP Client	Support
DNS 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 Scanning	Support
<b>Layer 3 Function</b>	
IPv4 Management Address	Support
IPv6 Management Address	Support
Static Routes IPv4	Support 32 articles
Static Routes IPv6	Support 32 articles
ARP	Support

Loop back Interface	Support
DHCP Server	Support
DNS Server	Support
DNS Client	Support
<b>Convergence</b>	
ACL	Support MAC standard/extended ACL Support IPv4 standard/extended ACL Support IPv6 standard/extended ACL
QOS	Support QOS remarking Support port trust Support port speed limit Support export queue rate limit Support SP, WRR scheduling algorithm Support COS mapping, DSCP mapping, IP priority mapping
<b>Management</b>	
User Management	Support
System Log	Support
Upgrade Firmware	Support
Configuration File Download/Upload	Support
SNMP	Support SNMPv1/v2c/v3
WEB Management	Support
Console	Support
CLI	Support
Telnet/SSH	Support
RMON	Support
<b>Security</b>	
Management Channel Configuration	Support
AAA	Support
802.1X	Support
MAC-Based	Support
WEB-Based	Support
DoS Attack Prevention	Support
Dynamic ARP Check	Support
DHCP Snooping	Support

IP Source Guard	Support
Port Security	Support
Protected Port	Support
Storm Control	Support
<b>Equipment Diagnosis</b>	
Console Log	Support
RAM Log	Support
Flash Log	Support
Port Mirroring	Support 1:1 or M:1
Ping	Support
Trace Route	Support
Electrical Port Test	Support
Optical Module Information	Support
UDLD Protocol	Support
<b>Environment</b>	
Operating Temperature	-10℃~+50℃
Storage Temperature	-40℃~+70℃
Relative humidity	10%~ 90% RH
Thermal Methods	Fan cooling
MTBF	100,000 hours
<b>Mechanical Dimensions</b>	
Product Size	440x284x44mm
Installation Method	Rack-mount installation
Net Weight	3.2kg
<b>EMC &amp; Ingress Protection</b>	
Surge Protection of Power	Common mode 6KV, differential mode 2KV
Surge Protection of Ethernet port	Common mode 4KV, differential mode 2KV
ESD	Contact 8K, air 15K
Free Fall	0.5m
Certification	CE, FCC, RoHS

## Dimension



## Ordering Information

P/N	Description
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Specifications & design are subject to change without prior notice.

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