

# CSL3LR-04C24GHP-S

Access Switch Layer 3 Lite Managed

24x10/100/1000M RJ45 PoE (Port 1-2 PoE++ BT90w), 4x1000M Combo (RJ45/SFP)



## Overview

Delivering powerful connectivity and intelligent power management, this 24-port industrial PoE switch is designed for high-performance networks in demanding environments. Ports 1-2 provide high-power PoE++ up to 90W, while the remaining ports support IEEE 802.3af/at for a total PoE budget of 400W, enabling seamless operation of IP cameras, wireless access points, and other PoE devices.

Built for reliability, it features a rugged IP30 metal enclosure, 6 kV surge protection, and a wide operating temperature range. With intuitive web-based management and clear LED indicators, this switch ensures effortless monitoring and maintenance, making it ideal for industrial automation, smart surveillance, and enterprise network deployments.

## Features

- 24x10/100/1000M RJ45 PoE (Port 1-2 PoE++ BT90w), Uplink 4x1000M Combo
- Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab standards
- Ethernet port 10/100/1000M adaptive
- Support port auto flip (Auto MDI/MDIX)
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management
- CE/FCC/RoHS Certified

## Specifications

Fixed Port	24x10/100/1000M RJ45 PoE (Port 1-2 PoE++ BT90w) 4x10/100/1000M RJ45 (Combo) 4x100/1000M SFP (Combo)
Console Port	1*console port
PoE Ports	1-2 ports support IEEE802.3af/at/bt, Max. 90W PoE out 3-24 ports support IEEE802.3af/at, Max. 30W PoE out
Console Port	1*Console
Reset Key	1
PoE Pin	af/at/bt: 1 2+, 4 5+; 3 6-, 7 8- af/at: 1 2+, 3 6-
PoE Budget	Max. 400w
CPU	500MHz
DDR	1G DDR3
FLASH	128MBytes
RAM	128MBytes
Bandwidth	56Gbps
Packet Forwarding	41.67Mpps
MAC	8K
Packet Buffer	4.1Mbit SRAM
Jumbo Frame	10K Bytes
VLAN Address	4K
Transmission Distance	10BASE-T: Cat3, 4, 5 UTP ( $\leq$ 250m) 100BASE-TX: Cat5 or later UTP (150m) 1000BASE-TX: Cat6 or later UTP (150m) SFP: 1000M SMF/MMF optical module with max. distance $\leq$ 120km
LED Indicators	PWR: Power LED SYS: System LED 1-24: 10/100/1000M Network connection indicator 25-28: 10/100/1000M Network connection indicator
Power	AC100~240V, 5.1A, Max. 425W
Operating Temperature	-10~+55°C
Operating Humidity	5%~90% RH Non-condensing
Storage Temperature	-40~+75°C

Storage Humidity	5%~95% RH Non-condensing
Product Size (L x W x H)	440x290x45mm
Package Size (L x W x H)	515x375x95mm
N.W.	3.5kg
G.W.	4.2kg
Lightning Protection Level	6KV 8/20us; IP30
Installation	Rack-mount
Certificates	CE/FCC/RoHS
Warranty	1 year
<b>Software Functions</b>	
Port Shutdown	Support
Port Speed	Support auto negotiate, full-1000, full-100, half-100, full-10, half-10
Flow Control	Support full-duplex IEEE 802.3x, half-duplex back pressure
Storm Control	Support rate limit for broadcast, multicast, and DLF packets
Storm Constrain	Support the detection of broadcast packets, multicast packets, or multicast packets on the port, shutdown the port if the rate is over the threshold.
Port Mirror	Support
Port Rate Limit	Support port ingress and egress rate limit
Link Aggregation	Support manual link aggregation Support LACP dynamic link aggregation Supports up to 8 aggregation groups, each group up to 8 ports Support source MAC, destination MAC, source destination MAC, source IP, destination IP, source destination IP routing strategy
Port Isolation	Support
Jumbo Frame	Support up to 10KB
Cable Distance Diagnosis	Support
Redundant Port	Support
DDM of Fiber Ports	Support
<b>MAC</b>	
MAC Table Capacity	8K
MAC Table Management	Support
Forwarding Mode	Support IVL forwarding mode
Static MAC Address	Support

MAC Address Binding	Support
MAC Learning Control	Control the MAC learning based on port
<b>VLAN</b>	
Number of Vans	4K
802.1Q-based VLAN	Support
MAC-based VLAN	Support
IP-based VLAN	Support
Protocol-based VLAN	Support
PVLAN	Support
Voice VLAN	Support
VLAN Mapping	Support 1:1 mapping
QinQ	Support basic QinQ Support flexible QinQ
<b>Reliability</b>	
Spanning Tree Protocol	Support STP/RSTP/MSTP
Port Loop Detection	Support
EAPS	Support RFC3619
ERPS	Support G.8032/Y.1344
LLDP	Support LLDP & LLDP-MED
UDLD	Fully compatible with Cisco's UDLD protocol
<b>IP</b>	
ARP	Support static and dynamic ARP
IP Route	Support 0.0.0.0/0 route and other static route, but can't support L3 forwarding
VLAN Interface	Support 32 VLAN interfaces
<b>Multicast</b>	
Static Multicast MAC Address	Support
IGMP Snooping	Support
MLD Snooping	Support
MVR	Support
GMRP	Support
<b>ACL</b>	
Standard IP-based ACL	Support

Extended IP based ACL	Support
MAC IP-based ACL	Support
MAC ARP-based ACL	Support
IPv6-based ACL	Support
ACL Port Filtering	Support
Time-based ACL	Support
<b>QoS</b>	
Port Queue Number	8
Port Queue Scheduling Mode	Support WRR, SP, WFQ
Port-based Classification	Support
802.1p-based Classification	Support
DSCP-based Classification	Support
ACL-based Classification	Support
Support packets mapping to queue	
Support COS or DSCP Remarking	
Support rate limits of data flow	
Support data flow statistics	
Support mirroring of data flow	
<b>DHCP</b>	
DHCPv4 Client	Support
DHCPv6 Client	Support
DHCP Snooping	Support
DHCP Relay	Support
DHCP Server	Support
DHCP Option 82	Support
<b>Management</b>	
Support Console, TELNET and SSH	
Support multiple TELNET connections based on IPv4 and IPv6	
Support multiple SSH connections based on IPv4 and IPv6	
Support running configuration rollback	
Support ZTP (Zero Touch Configuration)	
WEB Management	Support

SNMP Management	Support SNMP v1, v2c, v3
	Support SNMP TRAP
	Support lots of standard and private MIBs
	Support SNMP based on IPv4 and IPv6
User Management	Support multiple user management
TACACS+	Support switch authentication via TACACS+ server remote username and password
	Support password encryption in PAP and CHAP mode
	Support TACACS+ server to authorize the switch's commands
	Support TACACS+ based on IPv4 and IPv6
Log Management	Support local log management Support SYSLOG based on IPv4 and IPv6
Log Management	Support local log management Support SYSLOG based on IPv4 and IPv6
RMON	Support RMON 1, 2, 3 and 9 groups
Cluster Management	Support NDP
	Support NTDP
	Support manual and automatic joining of cluster groups
	Support cluster unified management
OAM	Support 802.3ah Support 802.1ag
Configuration File	Support TFTP transmission based IPv4 and IPv6
	Support SFTP transmission based IPv4 and IPv6
	Support SFTP Client and SFTP Server
	Support TFTP transmission based IPv4 and IPv6 Support SFTP transmission based IPv4 and IPv6 Support SFTP Client and SFTP Server
Clock Management	Support local clock management Support SNTP based IPv4 and IPv6
<b>Security</b>	
Switch Management Security	Support enabling and disabling TELNET, SSH, WEB and SNMP services
	Support TELNET, SSH, WEB and SNMP services to bind to standard IP ACLU
	Support for limiting the number of TELNET connections
CPU Protection	The switch's own security protection prevents large data streams from attacking the switch itself.

AAA	Support 802.1x
	Support RADIUS
	Supports authentication, authorization, and accounting through RADIUS server
	Support port-based and MAC-based 802.1x
IP MAC Binding	Support 802.1x guest VLAN
DHCP SNOOPING	Support static configuration of IP, MAC and port binding
	Support dynamic ARP binding to prevent ARP spoofing
	Support dynamic IP, MAC and port binding
Prevent ARP Spoofing	Support fixed port to connect to DHCP server to prevent private connection to DHCP server
	Support manually configuring MAC CARP-based ACL rules to prevent ARP spoofing.
	Support the DHCP SNOOPING function. During the process of obtaining an IP address by DHCP, the switch dynamically binds ARP to the port to prevent ARP spoofing.
<b>PoE</b>	
Switch Control	Support PoE powering of ports on and off
Power Control	Support setting total power
Other Advanced Features	Support PoE scheduling policy and PD online query, etc.
<b>IPv6</b>	
IPv4/IPv6 Dual Protocol Stack	Support
IPv6 Address	Support manual address configuration, stateless address auto-configuration and stateful address configuration obtained through DHCPv6 client
IPv6 Neighbor Discovery	Support
ICMPv6	Support
IPv6 Path MTU Discovery	Support
<b>Debugging</b>	
PING	Support
PING6	Support
TRACEROUTE	Support
TELNET Client	Support TELNET client based IPv4 and IPv6
SSH Client	Support SSH client based IPv4 and IPv6
TWAMP	Support TWAMP server and session-reflector

**Order Information**

P/N	Description
CSL3LR-04C24GHP-S	Access Switch Layer 3 Lite Managed 24x10/100/1000M RJ45 PoE (Port 1-2 PoE++ BT90w) 4x1000M Combo (RJ45/SFP)



<https://www.lanaotek.com>



Specifications & design are subject to change without prior notice.

For more details, please email to [info@lanaotek.com](mailto:info@lanaotek.com). Copyright©2025 lanaotek.com All Rights Reserved