



# LS2-48GT4SFP-P

**48-Port L2 Managed PoE Switch  
with 370W PoE budget**



## Overview

|                       |                                                                                                   |                  |
|-----------------------|---------------------------------------------------------------------------------------------------|------------------|
| Dimensions            | 440 mm x 293 mm x 44 mm (17.32 in. x 11.54 in. x 1.73 in.)                                        |                  |
| Weight                | 5.86 kg (12.92 lbs)(with packaging materials)<br>4.32 kg (9.52 lbs) (without packaging materials) |                  |
| Port Specifications   | Total number of RJ45 ports                                                                        | 48               |
|                       | Total number of optical ports                                                                     | 4                |
|                       | Number of 1GE combo ports                                                                         | -                |
|                       | Number of 1GE SFP ports                                                                           | 4                |
|                       | Number of 10GE SFP+ ports                                                                         | -                |
|                       | Number of 10/100BASE-T ports                                                                      | -                |
|                       | Number of 10/100/1000BASE-T ports                                                                 | 48               |
|                       | Number of 10/100/1000/2500BASE-T ports                                                            | -                |
|                       | Number of 100/1000/2.5G/5G/10GBASE-T ports                                                        | -                |
| PoE Specifications    | Number of PoE/PoE+ Out ports                                                                      | 48               |
|                       | Number of PoE/PoE+/PoE++ Out ports                                                                | -                |
|                       | PoE budget                                                                                        | 370 W            |
|                       | PoE power pins                                                                                    | 1–2 (+), 3–6 (-) |
| Enclosure Material    | Metal                                                                                             |                  |
| Mounting Type         | Rack/Desk                                                                                         |                  |
| Warranty              | 3 years                                                                                           |                  |
| Hardware              |                                                                                                   |                  |
| System Specifications | Switching capacity                                                                                | 104 Gbps(bit/s)  |

## Overview

|                                     |                          |                                                                                                                                                                                                                                         |
|-------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Forwarding rate          | 77.37 Mpps                                                                                                                                                                                                                              |
|                                     | Buffer size              | 16 Mbit                                                                                                                                                                                                                                 |
|                                     | CPU                      | Dual-core processor, 1 GHz clock frequency per core                                                                                                                                                                                     |
|                                     | RAM                      | 512 MB                                                                                                                                                                                                                                  |
|                                     | Flash memory             | 256 MB                                                                                                                                                                                                                                  |
| <b>System Performance Capacity</b>  | Recommended camera limit | 200 W H265: 200<br>400 W H265: 100                                                                                                                                                                                                      |
| <b>Power supply and Consumption</b> | Power Method             | 220 V AC power supply:<br><ul style="list-style-type: none"> <li>Rated input voltage: 100 V AC to 240 V AC, 50/60 Hz</li> <li>Maximum input voltage: 90 V AC to 264 V AC, 47 Hz to 63 Hz</li> <li>Maximum input current: 6 A</li> </ul> |
|                                     | Max. Power Consumption   | 46 W (with no PoE load)<br>450 W (with full PoE load)                                                                                                                                                                                   |
|                                     | Heat Dissipation         | No PoE load: 157.32 BTU/hr (220V/50Hz)<br>Full PoE load: 1539 BTU/hr (220V/50Hz)                                                                                                                                                        |
| <b>Environment and Reliability</b>  | Surge protection         | Service port: $\pm 6$ kV for common mode<br>Power connector: $\pm 6$ kV for both common mode and differential mode                                                                                                                      |
|                                     | Operating temperature    | 0°C to +50°C (32°F to 122°F)                                                                                                                                                                                                            |
|                                     | Storage temperature      | −40°C to +70°C (−40°F to +158°F)                                                                                                                                                                                                        |
|                                     | Operating humidity       | 10% RH to 90% RH (non-condensing)                                                                                                                                                                                                       |
|                                     | Storage humidity         | 5% RH to 95% RH (non-condensing)                                                                                                                                                                                                        |
|                                     | Fan                      | 2 x fixed fans                                                                                                                                                                                                                          |
|                                     | Cooling                  | Air cooling, side-to-rear airflow                                                                                                                                                                                                       |



## Overview

|  |                |                                                                                                                                              |
|--|----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
|  | Altitude       | Operating altitude: 0 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)<br>Storage altitude: 0 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.) |
|  | MTBF           | 400,000 hours                                                                                                                                |
|  | ESD protection | Contact discharge: 6 kV<br>Air discharge: 8 kV                                                                                               |

## Software

|                           |                                       |       |
|---------------------------|---------------------------------------|-------|
| <b>Ethernet Switching</b> | Maximum number of VLANs               | 4094  |
|                           | Maximum number of MAC address entries | 16000 |
|                           | Interface flow control                | Yes   |
|                           | MAC address-based VLAN                | No    |
|                           | IP subnet-based VLAN assignment       | No    |
|                           | Port-based VLAN                       | Yes   |
|                           | IEEE 802.1Q VLAN                      | Yes   |
|                           | Basic QinQ                            | No    |
|                           | Voice VLAN                            | Yes   |
|                           | STP,RSTP,MSTP                         | Yes   |
|                           | LLDP/LLDP-MED                         | Yes   |
|                           | Static MAC address                    | Yes   |
|                           | MAC address filtering                 | Yes   |
|                           | Static aggregation                    | Yes   |
|                           | LACP                                  | Yes   |



## Overview

|            |                                                              |      |
|------------|--------------------------------------------------------------|------|
|            | Inbound or outbound rate limiting based on interface traffic | Yes  |
| IP Service | Maximum number of ARP entries                                | 1000 |
|            | IPv4 routing table size (host route)                         | -    |
|            | ARP                                                          | Yes  |
|            | IPv4 ping                                                    | Yes  |
|            | IPv4 traceroute                                              | Yes  |
|            | ICMPv6                                                       | Yes  |
|            | IPv6 ping                                                    | Yes  |
|            | IPv6 traceroute                                              | Yes  |
|            | DNS client                                                   | Yes  |
|            | DNSv6 client                                                 | Yes  |
|            | DHCP relay                                                   | No   |
|            | DHCP server                                                  | No   |
|            | DHCP client                                                  | Yes  |
| IP Routing | IPv4 static route                                            | No   |
|            | Maximum number of IPv4 static routes                         | -    |
|            | IPv6 static route                                            | No   |
|            | Maximum number of IPv6 static routes                         | -    |
|            | IPv4 routing table size (network route)                      | -    |
|            | IPv6 routing table size (network route)                      | -    |

## Overview

|                    |                                                   |     |
|--------------------|---------------------------------------------------|-----|
|                    | OSPFv2                                            | No  |
|                    | OSPFv3                                            | No  |
| <b>Multicast</b>   | IGMPv1 snooping                                   | Yes |
|                    | IGMPv2 snooping                                   | Yes |
|                    | Basic IGMPv3 snooping                             | Yes |
|                    | Full IGMPv3 snooping                              | No  |
|                    | IGMP filtering                                    | Yes |
|                    | IGMPv1, v2, and v3                                | No  |
| <b>ACL and QoS</b> | Standard ACL                                      | Yes |
|                    | Extended ACL                                      | Yes |
|                    | 802.1p priority-based traffic classification      | Yes |
|                    | DSCP priority-based traffic classification        | Yes |
|                    | Egress queues based on 802.1p and DSCP priorities | Yes |
|                    | Egress queues based on IP precedences             | No  |
|                    | Ingress flow-based rate limiting                  | No  |
|                    | Queue scheduling                                  | Yes |
|                    | DRR                                               | No  |
|                    | SP                                                | Yes |
|                    | SP+DRR                                            | No  |
|                    | SP+WFQ                                            | No  |
|                    | SP+WRR                                            | Yes |

## Overview

|                    |                                                     |     |
|--------------------|-----------------------------------------------------|-----|
|                    | WFQ                                                 | No  |
|                    | WRR                                                 | Yes |
|                    | Congestion avoidance: tail drop                     | Yes |
| <b>Security</b>    | 802.1X authentication                               | Yes |
|                    | Inaccessible Authentication Bypass (IAB)            | Yes |
|                    | MAC address-based 802.1X authentication             | Yes |
|                    | Port-based 802.1X authentication                    | Yes |
|                    | Authentication, Authorization, and Accounting (AAA) | No  |
|                    | Radius                                              | Yes |
|                    | Port isolation                                      | Yes |
|                    | Broadcast storm control                             | Yes |
|                    | Multicast storm control                             | Yes |
|                    | Unknown unicast storm control                       | Yes |
|                    | DHCP snooping                                       | Yes |
|                    | IP-MAC-port binding                                 | Yes |
|                    | ARP anti-spoofing                                   | Yes |
|                    | IP source guard                                     | Yes |
|                    | CPU Protection Policy                               | Yes |
| <b>Reliability</b> | VCS                                                 | No  |
|                    | Number of VCS members                               | -   |
|                    | DHCP server hot standby                             | -   |



## Overview

|                                          |                           |                                        |
|------------------------------------------|---------------------------|----------------------------------------|
|                                          | System dual backup        | Yes                                    |
|                                          | Cloud-based auto-recovery | Yes                                    |
|                                          | ERPS                      | Yes                                    |
|                                          | Loop Prevention           | Yes                                    |
| <b>Network Management and Monitoring</b> | Web management            | Yes                                    |
|                                          | Cloud management          | Yes                                    |
|                                          | App management            | Yes                                    |
|                                          | Mirroring                 | Yes                                    |
|                                          | Self-Organizing Network   | Yes                                    |
|                                          | Fan speed adjustment      | -                                      |
|                                          | HTTPS login               | Yes                                    |
|                                          | Syslog                    | Yes                                    |
|                                          | PoE service failure       | Yes                                    |
|                                          | PoE power overload        | Yes                                    |
|                                          | SNMPv1, v2c, and v3       | Yes                                    |
|                                          | NTP client                | Yes                                    |
|                                          | Camera detection          | Yes                                    |
| <b>Basic Configurations</b>              | PoE watchdog              | Yes                                    |
|                                          | Local upgrade             | Yes                                    |
|                                          | Online upgrade            | Yes                                    |
| <b>Interface</b>                         | Jumbo frame length (MTU)  | 9216 bytes (global configuration mode) |
|                                          | EEE                       | Yes                                    |
|                                          | Cable test                | Yes                                    |

## Overview

## Compliance and Standard

|                                                |                                               |                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Certification and Regulatory Compliance</b> | NDA Complain                                  | Yes                                                                                                                                                                                                                                                                                                                                   |
|                                                | EMC                                           | For Canada:<br>ICES-003 Issue 7<br>For United States:<br>FCC 47 CFR Part 15 Subpart B<br>For India TEC Certification:<br>TEC/SD/DD/EMC-221/05/OCT-16,<br>IEC 61000-4-5:2014+AMD1:2017,<br>IEC 61000-4-6:2023,<br>IEC 61000-4-4:2012,<br>IEC 61000-4-2:2008,<br>CISPR 32:2015+AMD1:2019,<br>IEC 61000-4-3:2020,<br>IEC 61000-4-11:2020 |
|                                                | Safety                                        | For United States and Canada:<br>UL 62368-1:2019 R10.21<br>CSA C22.2 No. 62368-1: 2019<br>For India TEC Certification:<br>IS 13252 (Part 1): 2010+A1: 2013+A2: 2015                                                                                                                                                                   |
|                                                | Functional (Only for India TEC Certification) | TEC37942410 & Annexures to ERs No<br>TEC/SD/DD/TCP-222/2.29/December 2025                                                                                                                                                                                                                                                             |
|                                                | Certification                                 | FCC, ISED, cTUVus, TEC                                                                                                                                                                                                                                                                                                                |

## Package Contents

|                    |                           |   |
|--------------------|---------------------------|---|
| <b>Device</b>      | Device                    | 1 |
| <b>Manual</b>      | User Manual               | 1 |
|                    | Warranty Card             | 1 |
| <b>Accessories</b> | Rubber pad                | 4 |
|                    | Power cord retention clip | 1 |



**Overview**

|  |                    |                                                    |
|--|--------------------|----------------------------------------------------|
|  | Screw              | 6 M4 x 8 mm cross recessed countersunk head screws |
|  | Grounding cable    | 1 x 1 m (3.28 ft.)                                 |
|  | Power cord         | 1 x 1.8 m (5.91 ft.)                               |
|  | Rack-mount bracket | 2                                                  |



# Lysoira



**Deliver Intelligent Networks**