



# LCST-8GT2SFP-HP

**8-Port Industrial Cloud  
Managed PoE Switch with 2 x  
SFP Ports**



## Overview

|                            |                                                                                                   |                                                                           |
|----------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| <b>Dimensions</b>          | 50 mm x 155 mm x 130 mm (1.97 in. x 6.10 in. x 5.12 in.)                                          |                                                                           |
| <b>Weight</b>              | 0.79 kg (1.74 lbs) (without packaging materials)<br>1.10 kg (2.43 lbs) (with packaging materials) |                                                                           |
| <b>Port Specifications</b> | Total number of RJ45 ports                                                                        | 8                                                                         |
|                            | Total number of optical ports                                                                     | 2                                                                         |
|                            | Number of 1GE combo ports                                                                         | -                                                                         |
|                            | Number of 1GE SFP ports                                                                           | 2                                                                         |
|                            | Number of 10GE SFP+ ports                                                                         | -                                                                         |
|                            | Number of 10/100BASE-T ports                                                                      | -                                                                         |
|                            | Number of 10/100/1000BASE-T ports                                                                 | 8                                                                         |
|                            | Number of 10/100/1000/2500BASE-T ports                                                            | -                                                                         |
|                            | Number of 100/1000/2.5G/5G/10GBASE-T ports                                                        | -                                                                         |
| <b>PoE Specifications</b>  | Number of PoE/PoE+ Out ports                                                                      | 8                                                                         |
|                            | Number of PoE/PoE+/PoE++ Out ports                                                                | 1                                                                         |
|                            | PoE budget                                                                                        | Default: 228 W<br>Max: 300 W<br>(web reserved adjustable interface)       |
|                            | PoE power pins                                                                                    | Port 1: 1–2 (-), 3–6 (+), 4–5 (+), 7–8 (-)<br>Ports 2–8: 1–2 (+), 3–6 (-) |
| <b>Enclosure Material</b>  | Metal                                                                                             |                                                                           |
| <b>Mounting Type</b>       | DIN rail mount/Wall                                                                               |                                                                           |
| <b>Warranty</b>            | 3 years                                                                                           |                                                                           |

## Overview

## Hardware

|                              |                          |                                                                                                                                       |
|------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| System Specifications        | Switching capacity       | 20 Gbps(bit/s)                                                                                                                        |
|                              | Forwarding rate          | 14.8 Mpps                                                                                                                             |
|                              | Buffer size              | 4.1 Mbit                                                                                                                              |
|                              | CPU                      | single-core processor, 500 MHz clock frequency                                                                                        |
|                              | Flash memory             | 8 MB                                                                                                                                  |
| System Performance Capacity  | Recommended camera limit | 200W H265: 90<br>400W H265: 45                                                                                                        |
| Power supply and Consumption | Power method             | DC input: <ul style="list-style-type: none"> <li>Rated voltage range: 46 V DC to 57 V DC</li> <li>Rated current range: 7 A</li> </ul> |
|                              | power supply             | <ul style="list-style-type: none"> <li>DC power adapter</li> <li>Power module</li> </ul> (Not included / Sold separately)             |
|                              | Max. Power Consumption   | 12 W (with no PoE load)<br>312 W (with PoE full load)                                                                                 |
|                              | Heat Dissipation         | 41.04 BTU/hr (220 V/50 Hz), with no PoE load<br>1067.04 BTU/hr (220 V/50 Hz), with PoE full load                                      |
| Environment and Reliability  | Surge protection         | Service port: $\pm 6$ kV for common mode<br>Power connector: $\pm 4$ kV for common mode and $\pm 2$ kV for differential mode          |
|                              | IP rating                | IP40                                                                                                                                  |
|                              | Operating temperature    | -40°C to +75°C (-40°F to +167°F)                                                                                                      |
|                              | Storage temperature      | -40°C to +85°C (-40°F to +185°F)                                                                                                      |
|                              | Operating humidity       | 10% RH to 90% RH (non-condensing)                                                                                                     |

## Overview

|  |                  |                                                      |
|--|------------------|------------------------------------------------------|
|  | Storage humidity | 5% RH to 95% RH (non-condensing)                     |
|  | Fan              | Fanless design                                       |
|  | Cooling          | Natural cooling                                      |
|  | Altitude         | –500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.) |
|  | MTBF             | 200,000 hours                                        |
|  | ESD protection   | Air discharge: 15 kV<br>Contact discharge: 8 kV      |

## Software

|                             |                                                              |             |
|-----------------------------|--------------------------------------------------------------|-------------|
| <b>Basic Configurations</b> | PoE watchdog                                                 | Yes         |
|                             | Online upgrade                                               | Yes         |
| <b>Interface</b>            | Jumbo frame length (MTU)                                     | 10000 bytes |
|                             | EEE                                                          | Yes         |
|                             | Cable test                                                   | Yes         |
| <b>Ethernet Switching</b>   | Maximum number of VLANs                                      | 16          |
|                             | Maximum number of MAC address entries                        | 8000        |
|                             | VLAN configuration supported on LAN ports                    | Yes         |
|                             | IEEE 802.1Q VLAN                                             | Yes         |
|                             | Static MAC address                                           | Yes         |
|                             | Interface flow control                                       | Yes         |
|                             | Inbound or outbound rate limiting based on interface traffic | Yes         |
|                             | ERPS                                                         | Yes         |



**Overview**

|                                          |                                                      |       |
|------------------------------------------|------------------------------------------------------|-------|
|                                          | Maximum number of devices supported by a single ring | 50    |
|                                          | Layer 2 traffic convergence time                     | 50 ms |
| <b>IP Service</b>                        | DNS client                                           | Yes   |
|                                          | DHCP client                                          | Yes   |
| <b>Security</b>                          | Port isolation                                       | Yes   |
|                                          | Broadcast storm control                              | Yes   |
|                                          | Multicast storm control                              | Yes   |
|                                          | Unknown unicast storm control                        | Yes   |
|                                          | CPU Protection Policy                                | Yes   |
|                                          | DHCP snooping                                        | Yes   |
| <b>Network Management and Monitoring</b> | Web management                                       | Yes   |
|                                          | Cloud management                                     | Yes   |
|                                          | App management                                       | Yes   |
|                                          | Mirroring                                            | Yes   |
|                                          | Self-Organizing Network                              | Yes   |
|                                          | Camera detection                                     | Yes   |

**Compliance and Standard**

|                                                |                   |                                                                                       |
|------------------------------------------------|-------------------|---------------------------------------------------------------------------------------|
| <b>Certification and Regulatory Compliance</b> | NDAA Complain     | Yes                                                                                   |
|                                                | EMC               | For Canada:<br>ICES-003 Issue 7<br>For United States:<br>FCC 47 CFR Part 15 Subpart B |
|                                                | Safety compliance | For United States and Canada:<br>UL 62368-1:2019 R10.21                               |



**Overview**

|                         |                           |                                                      |
|-------------------------|---------------------------|------------------------------------------------------|
|                         | Certification             | FCC,ISED, cTUVus                                     |
| <b>Package Contents</b> |                           |                                                      |
| <b>Device</b>           | Device                    | 1                                                    |
| <b>Manual</b>           | User Manual               | 1                                                    |
|                         | Warranty Card             | 1                                                    |
| <b>Accessories</b>      | Rubber pad                | -                                                    |
|                         | Power cord retention clip | -                                                    |
|                         | Screw                     | 4 x M3 x 5 mm cross recessed countersunk head screws |
|                         | Grounding cable           | -                                                    |
|                         | Power cord                | -                                                    |
|                         | Rack-mount bracket        | 2                                                    |



# Lysoira



**Deliver Intelligent Networks**