SISTP1040-551-LRT

Hardened Switch

UNMANAGED HARDENED GIGABIT ETHERNET POE++ SWITCH

(4) 10/100/1000Base-T PoE++ Ports + (1) 10/100/1000Base-T Port + (1) 100/1000Base-X SFP Slot

This switch is an unmanaged full Gigabit Ethernet hardened PoE++ switch that complies with IEEE 802.3bt, IEEE 802.3at and IEEE 802.3af. The switch has (4) 10/100/1000Base-T PoE++ ports, (1) 10/100/1000Base-T port with (1) 100/1000 dual speed SFP slot. It can deliver up to 90 Watts on each PoE++ port simultaneously and also supports Power over HDBaseT (PoH) mode (95 Watts) when enabled by DIP switch. The SISTP1040-551-LRT can be used to power PoE lighting, high powered IP cameras and digital signage. It has redundant input power connections to ensure safe reliable operation in temperatures between -40°C and +75°C.

Applications:
- PoE Lighting
- Power-hungry devices such as IP camera with heating, digital signage

Markets:

Security & Surveillance

Smart Building

PoE Lighting

Digital Signage

IoT Applications

Features	Benefits
Redundant Power Input	Solve unnecessary downtime and data loss caused by power failure, ensure reliable operation
Fan-less Design	Noise free, provide more reliability and durability
IEEE 802.3bt/at/af compliant	Solve the challenge of higher power and more efficient PoE delivery system by increasing the maximum PoE Power available mainly by utilizing all four pairs of the structured wiring. Extends the power capacity to allow PD input power to reach up to 60 Watts for Type 3 and up to 90 Watts for Type 4
Hardened temperature range	Reliably operates within a wide temperature range (-40 C to +75 C) for hardened environments
Supply up to 90 Watts output	Support for higher power enables new applications such as PTZ security camera, LED lighting or digital signage
Up to 360 Watts PoE budget	Capable of delivering full PoE++ on all four ports simultaneously. Triple the amount of power than the conventional IEEE 802.3at PoE+ standard to satisfy the growing demand for higher power consuming devices
PoH mode compatible	Compatible with PDs supporting PoH mode (pre-bt standard)
PSE Link Pass Through	Remotely reboot Power Devices attached to the switch by disconnecting the fiber link, saving customer truck rolls
Full wire speed Gigabit throughput	Increase throughput for bandwidth-demanding applications
Dual Speed SFP Slot	Flexible fiber link deployment with supporting 100M or 1000M SFP

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Specifications

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3z
- IEEE 802.3x
- IEEE 802.1p
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3bt

Protocols

- CSMA/CD

Technology

- Store-and-forward switching architecture

Switching Capacity

- 12 Gbps

Connectors

- (5) 10/100/1000Base-T RJ-45 ports
  (1) 100/1000Base-X SFP slot

MAC Address

- 2K MAC address table

Status LEDs

- Power 1&2, Alarm, Link/act/speed, PoE

DIP Switches

- SW1 (Power): Power alarm On/Off
- SW2 (broadcast): broadcast storm limit ON/Off
- SW3 (Jumbo): Jumbo Frame Support On/Off
- SW4 (PoE): On - PoH Mode, OFF- 802.3bt Mode
- SW5: (LPT) PSE LPT On/Off

Dimensions

- Width: 2.4" [62 mm]
- Depth: 4.1" [105 mm]
- Height: 5.1" [130 mm]

Reset button

- Reset the switch

Power Input

- 48-57 VDC; Redundant input; reverse power protection; 54 - 57VDC for PoE++

Power Consumption

- 5 Watts (without PoE)

Power-over-Ethernet

- Total PoE Budget: 360 Watts
  90 Watts on all 4 ports simultaneously

Ingress Protection

- IP30

Environment

- Operating: -40°C to +75°C
- Storage: -40°C to +85°C
- Humidity: 5% to 95% (non-condensing)

Weight

- 2.10 lbs [0.95 kg]

MTBF

- > 25 years

Certifications

- EMI: CE, FCC Part 15;
- Safety: EN62368-1, UL62368-1

Warranty

- 5 Years

Features

- Layer 2 wire-speed switching engine
- Auto MDI/MDI-X
- Power alarm
- Broadcast storm control
- Support Jumbo Frame up to 9K bytes
- PSE Link pass through
- Flow control (when link partner has flow control enabled)
- Ruggedized metal closure
- Fan-less design
- Wide operating temperature range (-40°C to +75°C)
- Dual Power input
- Din Rail and Wall Mount options

PoE Features

- IEEE 802.3bt compliant
- IEEE 802.3at compliant
- IEEE 802.3af compliant
- Power over HDBaseT (PoH) mode

Ordering Information

Part Number	Description
SISTP1040-551-LRT	(4) 10/100/1000Base-T PoE++ [100 m/328 ft.] ports + (1) 10/100/1000Base-T [100 m/328 ft.] port + (1) 100/1000Base-X SFP slot (empty) (Din Rail Bracket included)

Accessories Number	Description
SFP Modules	See all modules on lantronix.com
OCA-P181610	18x16x10" Polycarbonate Enclosure
25160	Input: 90-264 VAC, 127-370 VDC Output: 48 ~ 55 VDC, 10A, 480 Watts
PS-DC-DUAL-5624T	Input: 100-240 VAC Output: 56VDC + 24V

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