

(4) 10/100/1000Base-T PoE+ ports + (2) 10/100/1000Base-T RJ-45 ports + (2) 100/1000Base-X SFP slots (Din Rail Bracket included)



Direct Attach Cables / Active Optical Cables

A simple to install, cost-effective and interoperable solution

Often used for data center short-reach interconnects, Direct Attach, Active Copper and Active Optical Cables are an indispensable part of any network.

Terminated with transceiver-style connectors, they are designed to be used in the same ports as a typical SFP+ or QSFP transceiver, with no need for adapters or converters. Our DAC and AOC cables offer compatibility with a huge range of vendors, enabling the connectivity you need within the Top of Rack and End of Row environments.

- 10G, 25G, 40G & 100G product solutions
- Seamless interoperability with network equipment
- Multi-code options enabling different OEM vendors at each end of the cable
- 4x breakout cables, 40G QSFP+ to 4x 10G SFP and 100G QSFP28 to 4x 25G SFP28
- Fast Delivery, Custom solutions
- Compatible with Over 90 Systems
- Savings of up to 70%



tde[®] trans data elektronik GmbH

Headquarter address:

Lingener Str. 2
D-49626 Bippen/Ohrte
Tel.: +49 5435 9511 0
Fax.: +49 5435 9511 32

Sales office address:

Prinz-Friedrich-Karl-Str. 46
D-44135 Dortmund
Tel.: +49 231 8805 61 13
Fax.: +49 231 8805 61 15

info@tde.de | www.tde.de

(4) 10/100/1000Base-T PoE+ ports + (2) 10/100/1000Base-T RJ-45 ports + (2) 100/1000Base-X SFP slots (Din Rail Bracket included)

The SISPM1040-362-LRT is a managed PoE+ switch suitable for connecting and powering devices in hardened environments. The switch can supply up to 30 Watts per port on all (4) PoE ports simultaneously. The switch also includes the embedded Device Management System (DMS) software that provides the advanced tools necessary for total management of all IP addressable devices. The unique DMS provides security integrators with lower overall cost, less downtime and easier management of the entire PoE+ network.

Lantronix' hardened switches are certified to operate reliably in harsh environments such as those found on factory floors, outdoor enclosures or other challenging environments.

Features

- Store-and-Forward Architecture with 16 Gbps Switching Bandwidth
- Supports Jumbo frames up to 9.6K Bytes
- Ring Protections
- Industry standard G.8032 Ethernet Ring Protection Switching (ERPS)
- Support G.8031 Ethernet Linear Protection Switching (EPS)
- Rapid Ring with recovery time less than 20ms
- Radius, TACACS+, User Authentication
- Supports LLDP Protocol
- HTTPS/SSH v1/v2 Network Security
- Temperature Detection and Alarm
- Support HW Watchdog to resume operation from CPU hang up
- IEEE 1588 v2 PTP
- Port Mirroring
- Power-over-Ethernet
- Port Configuration
- Auto Power Reset (APR)
- DHCP per Port
- PoE Scheduling
- Complies to IEEE 802.3at, IEEE 802.3af
- IEEE 802.3ad LACP, up to 6 groups and up to 4 ports per group
- Up to 4K VLAN groups, Port based, IEEE 802.1Q tag, Q-in-Q, MAC based VLAN, Management VLAN, Private VLAN Edge, Voice VLAN, GVRP

(4) 10/100/1000Base-T PoE+ ports + (2) 10/100/1000Base-T RJ-45 ports + (2) 100/1000Base-X SFP slots (Din Rail Bracket included)

- ACL – up to 256 entries, Drop or Rate limiting based on: Source and Destinations MAC, VLAN ID and IP address, protocol, port, DSCP/ IP precedence, TCP/UDP source and destination ports, IEEE 802.1p priority, Ethernet type, ICMP packets and TCP flag
- Loop Protection
- Quality of Service
 - Supports 8 hardware queues
 - Scheduling: strict priority and WRR, Queue assignment based on DSCP and class of service
 - Classification: Port based, IEEE 802.1p VLAN priority based, IPV4/IPV6 precedence / DSCP based, DiffServ, Classification and re-marking ACLs
 - Rate limiting: Ingress policer, Egress shaping and rate control, per port
- IPv4/IPV6 dual stacks and static routing
- Port Security, IP Source Guard
- System Alarms via SYSLOG / SNMP Trap
- DHCP Client/Server, DHCP relay, Option 82
- Port based network access control (IEEE 802.1X)
- Web / SNMP v1,v2c,v3 / Telnet / CLI management
- Media Redundancy Protocol (MRP)

Device Management System (DMS)

- Graphical Monitoring – Topology view, Floor view, Map view
- Traffic Monitoring
- Troubleshooting – Network diagnostic, protection mechanism, performance and link management

Technical Data

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3z

(4) 10/100/1000Base-T PoE+ ports + (2) 10/100/1000Base-T RJ-45 ports + (2) 100/1000Base-X SFP slots (Din Rail Bracket included)

- IEEE 802.3ab
- IEEE 802.3x
- IEEE 802.3ad
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.1w
- IEEE 802.1s
- IEEE 802.1X
- IEEE 802.1AB
- IEEE 802.1ad
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3ah
- IEEE 802.1ag
- IEEE 802.1D
- IEEE 1588 v2
- ITU-T Y.1731
- ITU-T G.8031
- ITU-T G.8032
- IEC62439-2

MAC Address

- 8K

Backplane

- 16Gbps

Serial Console

- RJ-45

Status LEDs

- System, Power1, Ring Master, Coupling, Power2, Alarm, Port Status

Dimensions

(4) 10/100/1000Base-T PoE+ ports + (2) 10/100/1000Base-T RJ-45 ports + (2) 100/1000Base-X SFP slots (Din Rail Bracket included)

- Width: 2.4" [62 mm]
- Depth: 5.3" [135 mm]
- Height: 5.4" [130 mm]

DIP Switch (2-pin)

- Rapid Ring setting

Reset button

- Reset the switch, Restore Factory default

Digital output (relay)

- 24VDC/1A

Digital input

- Level 0 (Low): 0V to 6V
- Level 1 (High): 10V to 24V

Power Input

- 48 – 57VDC; redundant inputs with reverse polarity protection and overload current protection

Power Consumption Without PoE

- 8.2 Watts

Power-over-Ethernet

- 120 Watts PoE budget
- 30 Watts output on all 4 PoE+ ports

Ingress Protection

- IP30

Environment

(4) 10/100/1000Base-T PoE+ ports + (2) 10/100/1000Base-T RJ-45 ports + (2) 100/1000Base-X SFP slots (Din Rail Bracket included)

- Operating: -40°C to +75°C
- Storage: -40°C to 85°C
- Humidity: 5% to 95% (non-condensing)
- Altitude: 0 – 10,000 ft.

Weight

- 2 lbs. [0.9 kg]

MTBF

- 100,874 hours

Certifications

- EMI: CE, FCC Part 15, EN61000-4-2, EN61000-4-3, EN-61000-4-4, EN61000- 4-5, EN61000-4-6, EN61000-4-8, IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration), NEMA TS-2
- Safety: IEC62368-1/EN62368-1, UL Class 1/Div 2

Compliant*

(Designed to Meet) *Please contact sales with certification needs

- EN50155, EN50121-4, DNV, IEC61850-3, IEEE1613

Warranty

- 5 Years

Product variants & accessories

Art.-No.	Description
SISPM1040-362-LRT	(4) 10/100/1000Base-T PoE+ ports + (2) 10/100/1000Base-T RJ-45 ports + (2) 100/1000Base-X SFP slots (Din Rail Bracket included)