SISPM1040-384-LRT-C

TRANSITION NETWORKS®

Managed Hardened Gigabit Ethernet PoE+ Switch

(8) 10/100/1000Base-T Ports + (4) 100/1000Base-X SFP Slots

The SISPM1040-384-LRT-C 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 (8) 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.

Transition Networks' 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 24 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
- Supports LLDP & SCP (SFTP) Protocol
- 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
  - Always on PoE
  - 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
- 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

Specifications

Standards	IEEE 802.3	IEEE 802.3u
	IEEE 802.3z	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	24Gbps	
Serial Console	RJ-45	
Status LEDs	System, Power1, Ring Master, Coupling, Power2, Alarm, Port Status	
Dimensions	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	44 - 57VDC (>52V for 802.3at PoE+ recommended, >48V for IEEE 802.3af PoE recommended); Dual inputs Terminal Block	
Power Consumption Without PoE	11.1 Watts	
Power-over-Ethernet	Total PoE Budget: 240 Watts 30 Watts output on all 8 ports simultaneously	
Ingress Protection	IP30	
Environment	Operating: -40°C to +75°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.	
Weight	2.2 lbs. [1 kg]	
MTBF	92,110 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)	EN50155, EN50121-4, DNV, IEC61850-3, IEEE1613	
Warranty	5 Years	

*Please **contact sales** with certification needs

Device Management System (DMS)
- Graphical Monitoring – Topology view, Floor view, Map view
- Traffic Monitoring
- Troubleshooting – Network diagnostic, protection mechanism, performance and link management

Ordering Information

SISPM1040-384-LRT-C
(8) 10/100/1000Base-T PoE+ [100 m/328 ft.] ports + (4) 100/1000Base-X SFP slots (Din Rail Bracket included)

Optional Accessories (sold separately)

SFP Modules

EDCA-DIO-01
Enclosure Door Contact Alarm

OCA-P181610
18x16x10" Polycarbonate Enclosure

Industrial Power Supplies (sold separately)

25104
Input: 88-264 VAC, 124-370 VDC
Output: 48~55 VDC, 5.0A, 240 Watts

25160
Input 90-264 VAC, 127-370 VDC
Output: 48 ~ 55 VDC, 10A, 480 Watts

PS-DC-DUAL-5624T
Input: 100-240 VAC
56VDC + 24V output

Mounting Brackets (sold separately)

WMBH-01
Wall Mount Bracket

DRBH-01
Din Rail Bracket

Features (Continued)

- 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, Engress 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)

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