SISPM1040-384-LRT-C

Managed Hardened Gigabit Ethernet PoE+ Switch

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

TRANSITION NETWORKS®

The SISPM1040-384-LRT-C is a full managed PoE+ switch suitable for connecting and powering devices in hardened environments. The switch can supply up to 30 Watts per port on all eight 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.

Ordering Information

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

Optional Accessories (sold separately)

SFP Modules

Industrial Power Supplies:

25104
Input: 85-264 VAC, 124-370 VDC
Output: 48~55 VDC, 5.0A, 240 Watts

25105
Input: 85-264 VAC, 124-370 VDC
Output: 48~55 VDC, 2.5A, 120 Watts

Mounting Brackets

WMBH-01
Wall Mount Bracket

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

- 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, IEEE802.3af
  - 240 Watts PoE budget
  - 30 Watts output on all 8 ports

- IEEE 802.3ad LACP, up to 6 groups and up to 4 ports per group

- Up to 4K VLAN groups, Port based, 802.1Q tag, Q-in-Q, MAC based VLAN, Management VLAN, Private VLAN Edge, Voice VLAN, GVRP

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 802.3ad IEEE 802.3af IEEE 802.3at IEEE 802.3ah IEEE 802.1ag IEEE 1588 v2 ITU-T Y.1731 ITU-T G.8031 ITU-T G.8032
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	48 - 57VDC; redundant inputs
Power Consumption Without PoE	11.1 Watts
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]
Compliance	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: IEC60950-1, UL Class 1/Div 2
Compliant	EN50155, EN50121-4, DNV, IEC61850-3, IEEE1613
Warranty	5 Years

Features (Continued)

- 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, 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, 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 (802.1x)

- Web / SNMP v1,v2c,v3 / Telnet / CLI management

- Device Management System (DMS)
  - Graphical Monitoring - Topology View, Floor view, Map view
  - Find my Switch
  - Traffic Monitoring
  - Trouble shooting - Network diagnostic, protection mechanism, performance and Link Management