

SISPM1040-384-LRT

(8)10/100/1000Base-TX RJ45 PoE+
with (4)Gigabit SFP Ports



Features

- ▶ Store-and-Forward Architecture with 24 Gbps Switching Bandwidth
- ▶ 8 ports of P.S.E. fully compliant with IEEE802.3at standard, providing up to 30 Watts per port
- ▶ Supports Jumbo frames up to 9K Bytes
- ▶ Redundant Ring with Recovery < 20 ms
- ▶ IGMP v2/v3 for filtering multicast traffic
- ▶ SNMP v1/v2c/v3, RMON and 802.1Q VLAN Network Management (256 VLANs)
- ▶ ACL and 802.1x User Authentication
- ▶ Supports LLDP Protocol
- ▶ SSH Security
- ▶ Advanced IP-based Rate Limiting
- ▶ Extended (-40°C to 70°C) operating temperature
- ▶ Dual, Redundant 50V DC Power Inputs with Overload Current Protection
- ▶ DIN Rail and Wall Mount Brackets Included

Applications

Outdoor IP Video Surveillance
Intelligent Transportation Systems
Pan / Tilt / Zoom Power-over-Ethernet
Shipyards
Airports
High availability IEEE 802.11n Backhaul with
MIMO Antenna Diversity
Fiber-based Network Ring Architectures
Industrial IEEE 802.11a/b/g Access Points

Transition's Industrial PoE+ switches are Power Sourcing Equipment (PSE) devices that are designed to comply with the IEEE802.3at™ 2009 and IEEE802.3af 2003 standards and combine data received over a fiber optic link with -50VDC power; providing power to Powered Devices (PD) over unshielded twisted pair cabling. These Industrial PoE+ Switches are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments while providing all the benefits of PoE power.

The SISPM1040-384-LRT offers advanced Ethernet management, redundancy and security features coupled with rugged hardware performance for Industrial or Outdoor Power-over-Ethernet applications requiring high reliability and availability. It's four Gigabit speed SFP ports allow maximum flexibility in architecting a myriad of fiber-supported, powered network architectures. Its Gigabit-capable copper ports coupled with IEEE 802.3at Power-over-Ethernet Plus are ideal for supporting wireless access points with MIMO antenna diversity.

Specifications

Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3z for 1000Base-X IEEE 802.3ab for 1000Base-T IEEE 802.3x for Flow control IEEE 802.3ad for LACP (Link Aggregation Control Protocol) IEEE 802.1D for STP (Spanning Tree Protocol) IEEE 802.1p for CoS (Class of Service) IEEE 802.1Q for VLAN Tagging IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol) IEEE 802.1x for Authentication IEEE 802.1AB for LLDP (Link Layer Discovery Protocol) IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.)
Data Rate:	Copper: 10/100/1000Mbps SFP: 1000Mbps
Filtering	8192 MAC Addresses, 4 Priority Queues
Back Plane	24 Gbps, 7 us switching latency
Status LEDs	Power, Ring, Ring Master, Fault, Port Link/Act, PoE Power injected
Dimensions	Width: 3.8" [96.4 mm]; Depth: 4.27" [108.5 mm]; Height: 6.06" [154 mm]
Ingress Protection	IP30
Input Power	50 VDC; redundant inputs
Fault Relay	1A at 24 VDC capacity
Serial Console	RS232 in RJ45 (Cable Supplied)
Power Consumption	20 watts (without PoE)
Environment	-40 to +70°C Ext. operating temp. 5%– 95% humidity non-condensing -40 to +85°C storage temp.
Shipping Weight	3.06 lbs. [1.4 kg]
Safety	EN60950-1
EMI / EMS	FCC Part 15, CISPR22/EN55022 Class A; EN61000-4-2; EN61000-4-3; EN-61000-4-4; EN61000-4-5; EN61000-4-6; EN61000-4-8; EN61000-4-11;
Environmental	IEC60068-2-32 (Free fall); IEC60068-2-27 (Shock); IEC60068-2-6 (Vibration)
MTBF	188,236 Hours (MIL-HDBK-217F2, GB, GC, 25°C)
Warranty	Lifetime

Ordering Information

Extended Operating Temperature
-40°C to +70°C

SISPM1040-384-LRT

(8) 10/100/1000BASE-TX PoE+
[100 m/328 ft.]
with (4) Gigabit SFP ports

Optional Accessories (sold separately)

SFP Modules [pg <?>-<?>]

Industrial Power Supplies:

25104 48 VDC Industrial Power Supply
25105 48 VDC Industrial Power Supply
25080 48 VDC Industrial Power Supply

Software Features

- ▶ STP/RSTP/MSTP (IEEE 802.1D/w/s)
- ▶ Redundant Ring with recovery time less than 20ms over 250 units
- ▶ TOS/Diffserv supported
- ▶ Quality of Service (802.1p) for real-time traffic
- ▶ VLAN (802.1Q) with VLAN tagging and GVRP supported
- ▶ IGMP v2/v3 (IGMP Snooping)
- ▶ IP-based bandwidth management
- ▶ Application-based QoS management
- ▶ DOS/DDOS auto prevention
- ▶ Port configuration, status, statistics, monitoring, security
- ▶ System Alarms via SYSLOG / SNMP Trap / Fault Output Relay
- ▶ LLDP Protocol
- ▶ DHCP Client/Server
- ▶ Port based network access control (802.1x)
- ▶ Web / SNMP v1,v2c,v3 / Telnet / CLI
- ▶ SSH Security
- ▶ Radius centralized password management
- ▶ SNMPv3 encrypted authentication and access security