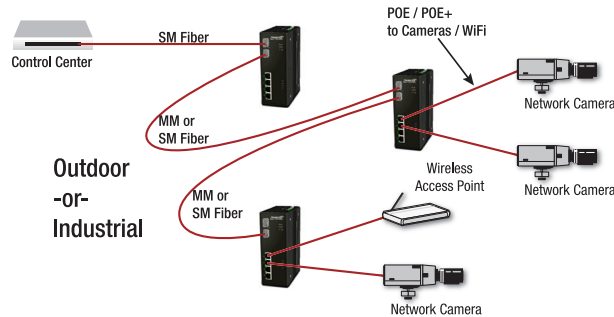industrial switch

SISTP1040-242-LRT

(4) 10/100/1000Base-T(X) P.S.E. + (2) 1000Base-X SFP Ports

Transition's SISTP1040-242-LRT Industrial PoE switch is a High Power Sourcing Equipment (PSE) device that complies with the IEEE802.3at standard, providing Power-over-Ethernet over standard twisted pair cables in an Ethernet network. With dual Gigabit speed SFP ports, the switch is ideal for extending Ethernet over distance via fiber daisy-chain, while also eliminating the need for individual power supplies for IP video and wireless access points. Extended operating temperature range allows installation in unconditioned outdoor cabinets or industrial environments.

PoE+ Powered Network Services Distributed via Fiber Daisy-Chain

Control Center

SM Fiber

MM or SM Fiber

Outdoor -or- Industrial

MM or SM Fiber

POE / POE+ to Cameras / WiFi

Network Camera

Wireless Access Point

Network Camera

Network Camera

Ordering Information

Extended Operating Temperature
-40°C to +75°C

SISTP1040-242-LRT
(4) 10/100/1000BASE-TX (RJ-45) PSE
[100 m/328 ft.]
(2) 1000Base-X SFP Industrial Unmanaged PoE+ Switch

Optional Accessories (sold separately)

SFP Modules

Industrial Power Supplies:
25105 48 VDC Industrial Power Supply
25080 48 VDC Industrial Power Supply

Specifications

Standards	IEEE 802.3™, IEEE 802.3x, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z,IEEE 802.3at
Physical Ports	(4) 10/100/1000Base-T(X) with PoE+\ (2) SFP 1000Base-X Mini-GBIC
Data Rate	10/100/1000 Mbps
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet port
Packet Buffer	1Mbits
Filtering Addresses	8K MAC Address Table
Processing	Store-and-Forward Back-plane (Switching Fabric): 12Gbps Packet throughput ability (Full-Duplex): 17.85 Mbps @64bytes
Status LEDs	Power 1 (Green), Power 2 (Green), P-Fail (Red) Ethernet: Link/Activity (Green), Speed (Green), PoE (Green) mini-GBIC: Link/Activity (Green),
PoE Pin Assignments	RJ-45 port #1 ~ # 4 support IEEE 802.3at End-point, Alternative A Positive (VCC+): RJ-45 pin 1, 2. Negative (VCC-): RJ-45 pin 3, 6.
Mechanical	IP30; 59.6mm (W) x 152mm (H) x 105mm (D)
Input Power	DC V48(48V~57V), Redundant power with polarity reverse protect
Fault Output	Relay output contacts, 1A @ 24 VDC load capacity
Power Consumption	9.9 watts (without PoE)
Environment	-40 to +75°C Ext. operating temp. -40 to +85°C storage temp 5%– 95% humidity non-condensing
Shipping Weight	TBD
Safety	UL/cUL 508, Class I / Division 2 Groups A, B, C, D (Pending)
EMI	CISPR (EN55022); FCC Part 15 Class A; CE Mark;
EMS	EN61000-4-2(ESD); EN61000-4-3(RS); EN-61000-4-4(EFT); EN61000-4-5(Surge); EN61000-4-6(CS); CE EN61000-4-8; EN61000-6-2, EN61000-6-4
Environmental	IEC60068-2-32 (Free fall); IEC60068-2-27 (Shock); IEC60068-2-6 (Vibration)
MTBF	339,740 hours
Warranty	Lifetime

Features

▶ Provides 4 x 10/100/1000Base-T(X) PoE (P.S.E.) ports based on IEEE 802.3at standard

▶ 2 x 1000Base-X SFP slots for daisy-chain

▶ Supports dual 48 – 57 VDC power inputs for power redundancy

▶ Polarity reverse protection

▶ AutoCross™ and Auto-negotiation

▶ Extended (-40°C to 75°C) operating temperature

▶ Dry Contact Relay Alarm Output

▶ DIN Rail Mounting and Wall Mount Brackets Included

▶ Lifetime Warranty

▶ 24/7 US Customer Support