



SISPM1040-182D-LRT

(8) 10/100Base-TX ports w/PoE
+ (2) 10/100/1000Base-T or
100/1000Base-X SFP Combo Ports



Transition Networks' Industrial Switches are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments.

Features

- ▶ DIN rail Connector
- ▶ Barrel Connector

System Interface/Performance

- ▶ AutoCross™ (Auto MDI/MDI-X)
- ▶ IEEE802.3af POE on (8) 10/100TX ports
- ▶ SFP ports support 100/1000Base-X Dual Speed

- ▶ Store-and-Forward Switching Architecture
- ▶ Back-plane (Switching Fabric): 16Gbps
- ▶ 1Mbits Packet Buffer
- ▶ 8K MAC Address Table

Power Supply

- ▶ Dual, Redundant, Auto-sensing Power Supply Inputs
- ▶ Power Polarity Reverse Protect
- ▶ Overload Current Protection
- ▶ Dry Contact Relay Output

VLAN

- ▶ Port Based VLAN
- ▶ 802.1 Q Tag VLAN
- ▶ GVRP

Specifications

| | |
|-----------------------|--|
| Standards | IEEE 802.3 10Base-T Ethernet; IEEE 802.3u 100Base-TX/ FX; IEEE802.3ab 1000Base-T; IEEE802.3z Gigabit fiber; IEEE802.3x Flow Control and Back Pressure; IEEE802.3ad Port trunk with LACP; IEEE802.3af Power over Ethernet; IEEE802.1d Spanning Tree/ IEEE802.1w Rapid Spanning Tree; IEEE802.1p Class of Service; IEEE802.1Q VLAN Tag; IEEE 802.1x User Authentication (Radius); IEEE802.1ab LLDP |
| Switch Architecture | Back-plane (Switching Fabric): 5.6Gbps Packet throughput ability (Full-Duplex): 8.3M pps@64bytes |
| Transfer Rate | 14,880 pps for Ethernet port 148,800 pps for Fast Ethernet port 1,488,000 pps for Gigabit Ethernet port |
| Packet Buffer | 1 Mbits |
| MAC address | 8K MAC address table |
| Flash ROM | 4Mb |
| DRAM | 32Mb |
| Connector | 10/100TX: 8 x RJ-45 10/100/1000T: 2 x RJ-45 SFP Combo ports: 2 x 100/1000 SFP RS-232 connector: RJ-45 type |
| PoE Pin Assignment | RJ-45 port # 1~# 8 support IEEE 802.3af End-point, Alternative A mode. Per port provides 15.4W ability. Positive (VCC+): RJ-45 pin 1,2. Negative (VCC-): RJ-45 pin 3,6. |
| Protocol | CSMA/CD |
| LED | Per unit: Power (Green), Power 1 (Green), Power 2 (Green), Fault (Red), Master (Green), FWD (Green) 8 port 10/100: Link/Activity (Green), Full duplex/Collision (Yellow) SFP port: LNK/ACT(Green), 1000T: LNK/ACT(Green), 1000M(Green) |
| Power Supply | External Power Supply: DC 48V, Redundant power DC 48V, removable terminal block |
| Power Consumption | 136 Watts (Full Load) |
| Operating Humidity | 5% to 95% (Non-condensing) |
| Operating Temperature | Wide Operating Temperature (-40°C ~ 65°C) |
| Storage Temperature | -40°C to 85°C |
| Case Dimension | 72 mm (W) x 105 mm (D) x 152 mm (H) |
| Ingress Protection | IP-30, |
| Installation | DIN rail bracket installed / Wall Mount Brackets included |
| EMI | FCC Class A, CE EN61000-4-2, CE EN61000-4-3, CE EN-61000-4-4, CE EN61000-4-5, CE EN61000-4-6, CE EN61000-4-8, CE EN61000-4-11, CE EN61000-4-12, CE EN61000-6-2, CE EN61000-6-4 |
| Safety | UL, cUL, CE/EN60950-1 |
| Stability Testing | IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration) |
| Shipping Weight | 4.0 lbs. |
| Warranty | Lifetime |

Ordering Info

Extended Operating Temperature:
-40°C to +65°C

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(8) 10/100BASE-TX (RJ-45)
[100 m/328 ft.]
with (2) 10/100/1000BASE-T (RJ-45) or
100/1000BASE-X SFP Combo ports

Optional Accessories
(sold separately)

SFP Modules

Industrial Power Supply:

25080

48 VDC Industrial Power Supply



More Features

Port Trunk with LACP

QoS (Quality of Service)

- ▶ IEEE 802.1p Class of Service,
- ▶ Per port provides 4 priority queues
- ▶ Port Based, Tag Based and Type of Service Priority

Port Mirror

- ▶ Monitor traffic in switched networks

Security

- ▶ Port Security : MAC address entries/filter
- ▶ IP Security: Supports 10 IP addresses that have permission to access the switch management and to prevent unauthorized intruder

IGMP

- ▶ Query mode for Multi Media Application
- ▶ Support multicast filter

X-Ring

- ▶ Support X-ring, Dual Homing, Couple Ring and Dual Ring Topology. Provide redundant backup feature and recovery time below 20ms

Management

- ▶ SNMP v1 v2c, v3/Web/Telnet/CLI



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