

# SISPM1040-582-LRT

## Managed Hardened Gigabit Ethernet PoE++ Switch

(8) 10/100/1000Base-T PoE++ Ports + (2) 100/1000Base-X SFP Slots



The SISPM1040-582-LRT is a managed PoE++ switch suitable for connecting and powering devices in hardened environments. It has (8) 10/100/1000 PoE++ ports with (2) 100/1000 dual speed SFP slots. The switch can supply up to 90 Watts per port on (4) ports or 60 Watts per port on (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

- IPv4/IPv6 dual protocols
- Supports Jumbo Frame up to 9K bytes
- Authentication - RADIUS, TACACS+
- DHCP Relay, DHCP Snooping, DHCP Server
- L2/L3/L4 ACLs Support MAC, VLAN ID, or IP address, protocol, per port
- LLDP (Link Layer Discovery Protocol)
- ITU-T G.8031 Ethernet Linear Protection
- ITU-T G.8032 Ethernet Ring Protection Switching
- Rapid Ring for fast recovery
- IEEE 802.3az Energy Efficiency
- IP Source Guard, Port Security
- Port Mirroring
- Syslog

### PoE Features

- Compliant with IEEE 802.3bt PoE++
- Compliant with IEEE 802.3at PoE+
- Compliant with IEEE 802.3af PoE
- IEEE 802.1AB LLDP-MED Configuration
- PoE Configuration
- PoE Scheduling
- Power Delay
- Auto Power Reset
- DHCP per Port

### Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ae IEEE 802.3x IEEE 802.3ad IEEE 802.1D IEEE 802.1w IEEE 802.1s IEEE 802.1Q IEEE 802.1p IEEE 802.3ad IEEE 802.1AB IEEE 802.3af IEEE 802.3at IEEE 802.3bt IEEE 802.3ah IEEE 802.1ag IEEE 802.3az IEEE 1588 v2 ITU-T Y.1731 ITU-T G.8031 ITU-T G.8032
Protocols	CSMA/CD
Technology	Store-and-forward switching architecture
Connectors	(8) 10/100/1000 Mbps RJ-45 ports (2) 100/1000 Mbps SFP slots (1) Console RJ-45 port
MAC Address	8K MAC address table
Backplane	20 Gbps
DIP Switch	Rapid Ring Setting (2-Pin)
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
Dimensions	Width: 2.44" [62 mm] Depth: 5.12" [130 mm] Height: 5.31" [135 mm]
Power Input	52 - 57VDC dual inputs Terminal Block
Power-over-Ethernet	Max PoE Budget 480 Watts 60 Watts for (8) ports simultaneously Up to 90 Watts on (4) ports simultaneously
Environment	Operating: -40°C to +75°C (DC input)
Compliance	FCC Class A; CE; NEMA TS-2 Safety: EN62368-1, UL
Compliant	IEC61850-3, IEEE 1613, Class 1 Div 2
Warranty	5 Years



### Ordering Information

#### SISPM1040-582-LRT

(8) 10/100/1000Base-T PoE++ ports  
+ (2) 100/1000Base-X SFP slots  
52V - 57 VDC

Optional Accessories (sold separately)

#### SFP Modules

Industrial Power Supplies (sold separately)

#### 25160

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

#### 25104

Input: 85-264 VAC, 124-370 VDC  
Output: 48 ~ 55 VDC, 5A, 240 Watts

Mounting Brackets (sold separately)

#### WMBH-01

Wall Mount Bracket

### Software Features

- Management: Web Management, SNMP V1/V2c/V3, SSH, CLI
- Port Trunk: Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP) and static trunk
- Multicast: Support IGMP Snooping V1/V2/V3, MVR, MLD Snooping V1/V2
- Quality of Service: Supports 8 hardware queues. Strict priority and WRR, Ingress policer, Egress shaping and per port rate control
- Spanning Tree: Supports IEEE 802.1s MSTP, IEEE 802.1w RSTP and IEEE 802.1D STP Compliant
- VLAN: Port Based VLAN, IEEE 802.1Q tag-based, up to 4K VLAN entries, QinQ, MAC-based VLAN, Management VLAN, Voice VLANs, and Private VLAN
- Firmware Update through TFTP and HTTP/HTTPS
- IEEE 802.3ah, IEEE 802.1ag, ITU-T Y.1731
- Support IEEE 1588 v2 PTP

### Device Management System (DMS)

- Graphical Monitoring – Topology view, Floor view, Map view
- Traffic Monitoring
- Troubleshooting – Network diagnostic, protection mechanism, performance and link management