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

- Plenum UL Certified
- 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
- Always on PoE

Device Management System (DMS)

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

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 802.1ad
	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	IEC62439-2
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 Consumption	13 Watts (without PoE)	
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	
Ingress Protection	IP30	
Environment	Operating: -40°C to +75°C (DC input)	
MTBF	82,976 hours	
Certifications	FCC Class A; CE; NEMA TS-2, UL 2043, UL 2108 Safety: EN62368-1, UL62368-1	
Compliant* (Designed to Meet)	IEC61850-3, IEEE 1613, Class 1 Div 2	
Warranty	5 Years	

*Please contact sales with certification needs

Ordering Information

SISPM1040-582-LRT
(8) 10/100/1000Base-T PoE++ ports
+ (2) 100/1000Base-X SFP slots
52V - 57 VDC (Din Rail Bracket included)

Optional Accessories (sold separately)

SFP Modules

EDCA-DIO-01
Enclosure Door Contact Alarm

OCA-P181610
18x16x10" Polycarbonate Enclosure

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

PS-DC-DUAL-5624T
Input: 100-240 VAC
56VDC + 24V output

Mounting Brackets (sold separately)

WMBH-01
Wall Mount Bracket

DRBH-01
Din Rail 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, SFTP, and HTTP/HTTPs
- IEEE 802.3ah, IEEE 802.1ag, ITU-T Y.1731
- Support IEEE 1588 v2 PTP
- Media Redundancy Protocol (MRP)
- Static Routing

Switches