SISGM1040-284-LRT

TRANSITION NETWORKS ®

Managed Hardened Gigabit Ethernet Switch

(8) 10/100/1000Base-T Ports + (4) 100/1000Base-X SFP Slots

The SISGM1040-284-LRT is a managed switch suitable for connecting devices in hardened environments. The switch has 24Gbps switching capacity. 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 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.

Ordering Information

SISGM1040-284-LRT
  (8) 10/100/1000Base-T [100 m/328 ft.] ports + (4) 100/1000Base-X SFP slots (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)

25165
  12VDC, 24 Watts output

25130
  48VDC, 40 Watts output

SPS-UA12DHT
  Input: 90-264 VAC, 12VDC, 18 Watts output

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

Features

- Store-and-Forward Architecture with 24 Gbps Switching Bandwidth
- IPv4/IPv6 dual protocols
- Supports Jumbo frames up to 9K Bytes
- Rapid Ring for fast recovery
- Radius, TACACS+, User Authentication
- Supports LLDP Protocol
- IEEE 1588 v2 PTP
- Port Mirroring
- Syslog
- Static routing
- Port Security, IP Source Guard
- Web / SNMP v1,v2c,v3 / SSH / CLI management
- DHCP Relay, DHCP Snooping, DHCP Server
- Port based network access control (IEEE 802.1X)
- L2/L3/L4 ACLs Support MAC, VLAN ID or IP address, protocol, per port
- 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

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ab IEEE 802.3x IEEE 802.3az IEEE 802.3ad IEEE 802.1p IEEE 802.1Q IEEE 802.1w IEEE 802.1s IEEE 802.1AB IEEE 802.1ad IEEE 802.3ah IEEE 802.1ag IEEE 802.1D IEEE 802.1X IEEE 1588 v2 ITU-T Y.1731 ITU-T G.8031 ITU-T G.8032 IEC62439-2
MAC Address	8K
Backplane	24Gbps
Protocol Technology	CSMA/CD Store-and-Forward Switching Architecture
Connectors	(8) 100/1000 RJ-45 (4) 100/1000 SFP (1) Console RJ-45
Dimensions	Width: 2.4" [62 mm] Depth: 5.3" [135 mm] Height: 5.4" [130 mm]
Power Consumption	11 Watts (max)
Power Input	12 - 48VDC; dual inputs terminal block
Ingress Protection	IP30
Environment	Operating: -40°C to +75°C (DC Input)
Weight	2.2 lbs. [1 kg]
MTBF	193,332 Hours
Certifications	FCC Class A, CE, UL Listed, IEC62368-1/EN62368-1, NEMA TS-2
Compliant* (Designed to Meet)	IEC61850-3, IEEE1613, UL C1/D2
Warranty	5 Years

*Please **contact sales** with certification needs

Features Continued

- 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, Q-in-Q, MAC-based VLAN, Management VLAN, Voice VLAN, Private VLAN
- Firmware Update through TFTP, SFTP, and HTTP/HTTPs
- Media Redundancy Protocol (MRP)

Device Management System (DMS)

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