

# SISGM1040-184D-LRT

## Managed Hardened Gigabit Ethernet Switch

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



The SISGM1040-184D-LRT is a managed Gigabit switch suitable for connecting remote devices in hazardous environments. The (4) dual speed SFP slots provide the ultimate flexibility by allowing SFP fiber connections at Fast Ethernet or Gigabit Ethernet speeds at a variety of communication distances. The ports can also be used in a redundant ring for maximum network reliability. This switch has redundant input power connections and a fault alarm relay to ensure safe reliable operation in temperatures between -40°C and +75° C.

### Ordering Information

#### SISGM1040-184D-LRT

(8) 10/100/1000Base-T ports  
+ (4) 100/1000Base-X SFP slots  
(Including DIN rail and wall mount brackets)

Optional Accessories (sold separately)

#### SFP Modules

External AC/DC Power Supply

#### 25083

Input: 85-264 VAC, 120-370VDC  
Output: 10.8 ~ 13.2 VDC, 2A, 24 Watts

#### SPS-UA12DHT

Input: 90 ~ 264 VAC  
Output: 12 VDC, 1.3A, 18 Watts

### Features

- Wire speed / non-blocking switching
- IP30 metal enclosure
- Reset Button
- Ethernet isolation: 1500 VRMS / 1 minute
- SFP slots support 100/1000 Dual Mode
- Dry Contact Relay Alarm Output
- Wide-range Redundant Power Design
- Redundant ring V2; single & multiple rings supported, link loss recovery < 20ms
- IEEE 802.1w RSTP, IEEE 802.1s MSTP, IEEE 802.1D STP
- IEEE 802.3x flow control and back-pressure
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
- SSL/SSH
- DIN Rail Mounting and Wall Mount Brackets

### Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3z IEEE 802.3x IEEE 802.3ad IEEE 802.1D IEEE 802.1p IEEE 802.1Q IEEE 802.1X IEEE 802.1w IEEE 802.1AB IEEE 802.1s
MAC Addresses	8K
Jumbo Frames	9K Bytes
Switching Capacity	18 Gbps
Forwarding Rate	17.857 Mpps
Ports	(8) 10/100/1000Base-T ports (4) 100/1000Base-X SFP slots (1) RS-232 console port
Status LEDs	P1 (Power) P2 (Power) Alarm (Alarm Event) per port Link/Act, per port speed
Dimensions	Width: 2.36" [60 mm] Depth: 4.29" [109 mm] Height: 6.06" [154 mm]
Power Consumption	10.5 Watts (max)
Power Input	12 - 58 VDC redundant power with reverse polarity protection
Environment	Operating: -40°C to 75°C Storage: -40°C to 85°C Humidity: 5% to 95% (non-condensing) Altitude: 0 - 10,000 ft.
Weight	2.34 lbs. [1.06 kg]
MTBF	> 25 years
Vibration, Shock, & Freefall	IEC68-2-6, -27, -32
Compliance	Safety: UL60950-1, CE/FCC, EN50121-4, CSA C22, EN61010-1, CE FCC Part 15, CISPR 22(EN55022) Class A, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6
Warranty	5 Years

### Features (Continued)

- Port Trunk with LACP
- IEEE 802.1p Class of Service, Per port provides 8 priority queues, port-based shaping, scheduling schemes: SPQ, WRR, SPQ + WRR
- VLAN groups up to 1024, port based, tag based, Q in Q
- Port Mirror
- Port Security: IP and MAC-based, IEEE 802.1X
- Access Control
- Login Security: RADIUS/TACACS+
- IGMP v1/v2/v3; IGMP snooping and querying
- Syslog
- NTP/SNTP
- SNMP v1 v2c, v3/Web/Telnet/CLI
- DHCP Client/DHCP Server Relay, Snooping, Option 82
- Web-based Firmware Upgrade
- Web-based Configuration Backup/Restore
- IPv4/IPv6 dual-stack