

## Managed Hardened Gigabit Ethernet PoE+ Rack Mountable Switch

(16) 10/100/1000Base-T PoE+ Ports + (4) 100/1000Base-X SFP Slots + (2) 1G/10GBase-X SFP+ Slots



This switch is a next generation rack mountable hardened switch with 80Gbps switching capacity. It provides (16) 10/100/1000 PoE+ ports, (4) 100/1000 dual speeds SFP ports and has (2) additional 1G/10G SFP+ slots.

### 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
- Static Routing, 130 rates (max)
- Fanless Design

### PoE Features

- 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 802.3az IEEE 802.3ah IEEE 802.1ag
Protocols	CSMA/CD
Technology	Store-and-forward switching architecture
Connectors	(16) 100/1000 Mbps RJ-45 ports (4) 100/1000 Mbps SFP slots (2) 1G/10G Mbps SFP+ slots (1) Console RJ-45 port
MAC Address	32K MAC address table
Backplane	80 Gbps
Digital Output	24 VDC / 1A (Relay)
Digital Input	Level 0 (low): 0V to 6V Level 1 (high): 10V to 24V
Dimensions	Width: 17.4" [442 mm] Depth: 11.81" [300 mm] Height: 1.73" [44 mm]
Power Input	52 - 57VDC Dual Input Terminal Block or Single Input 100 - 250VAC Maximum Power Consumption (without PoE): 36 Watts
Power-over-Ethernet	Max PoE Budget 250 Watts (PoE power not available with use of AC power supply) 15 Watts for (16) ports simultaneously 30 Watts for (8) ports simultaneously
Ingress Protection	IP30
Environment	Operating: -40°C to +75°C (1G SFPs) Operating: -40°C to +60°C (10G SFPs)
Weight	10.58 lbs. [4.8 kg]
Certifications	FCC Class A; CE; NEMA TS-2, UL Safety: LVD
Compliant * (Designed to Meet)	IEC61850-3, IEEE 1613, Class 1 Div 2
Warranty	5 Years

\*Please [contact sales](#) with certification needs

### Ordering Information

**SISPM1040-3166-L**  
(16) 10/100/1000Base-T PoE+ ports  
+ (4) 100/1000Base-X SFP slots ports  
+ (2) 1G/10GBase-X SFP+ slots  
52V - 57 VDC or 100V - 250VAC

#### Optional Accessories (sold separately)

##### SFP and SFP+ Modules

**EDCA-DIO-01**  
Enclosure Door Contact Alarm

##### Industrial Power Supplies

(sold separately)

##### 25104

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

##### 25160

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

### 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, Q-in-Q, MAC-based VLAN, Management VLAN, Voice VLAN, Private VLAN
- Firmware Update through TFTP and HTTP/HTTPS
- E-Line, E-LAN, E-TREE, E-ACCESS, IEEE 802.3ah, IEEE 802.1ag, ITU-T Y.1731, Y.1564
- Support IEEE 1588 v2 PTP (TC)