Smart Architecture of Espadana

Designing, Production,Customization and Consultant Service

in Network and Fiber Optic System

Technical Specification

SAE-ISW800-OGSM

8 × 10/100/1000Mbps ports & 8 × (100M/1G) SFP fiber slot ports

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Product Description

- Industrial design and Line speed forwarding mode is available in all 8 x 10/100/1000Mbps RJ45 Ports + 8 x (100M/1G) Base-X SFP Uplink Ports
- Provide full duplex based on IEEE802.3x and half duplex based on Backpressure
- L2+Switching Functions such as 802.1Q VLAN, Mirroring, Port Isolation, IGMP Snooping, DHCP Snooping, LLDP, IP Protection, ARP and Access Control List are provided.
- Auto MDI/MDIX
- Up to 9.6K kilobytes Jumbo frames is supported
- Compliant with IP40 Protection
- Support STP/RSTP/MSTP production tree protocol & G.8032 protocol
- G.8032, support <50ms industrial quick ring protection

Full Description

This SAE-ISW800-OGSM is a powerful cutting edge, latest generation managed switch which can prepare industrial telecommunication between fiber optic uplink ports to the server port as well as other optical mediums. Its fan less and well-engineered design leads to minimum power consumption. This smart Ring-Switch compliant with Looped Network Redundancy, broadcast storm suppression and flow control. It has been managed through a variety of interfaces and ways including the WEB, CLI and SNMP etc.

It provides the ideal combination of affordability and capabilities for entry level networking of industrial enterprise application which demands industrial, surveillance, IP Phone, IP Camera or Wireless applications, thus helps you create a more efficient workforce. SAE-ISW800-OGSM is made with high quality of rigorous screened components, which have superior performance in stability, environmental adaptability. It can work normally in very cold environment to very hot from -40°c to +75°c. The product is planned in a way to have better resistance against corrosion and electromagnetic interference. Power input also made a suitable and reliable types of power, to get more powerful suitability to environment.

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Applications

- Safe and high performance PC or Laptop connections
- Safe and High Quality wireless connections
- Unified communications with open standards

Technical specification

Product	**SAE-ISW800-OGSM**
Performance	
Jumbo frames	9.6k
Bandwidth	256Gbps
Forwarding Rate@64byte	23.81Mpps
MAC	8K
Power supply	DC 12-48 V
LED	Power indicator: PWR (green); System indicator :(green); Network indicator: Link (yellow); SFP indicator: L/A (green);
Power Supply Pin	Only support 1/2 (+), 3/6 (-)
Interface	
ports	8×10/100/1000Mbps RJ45 Ports 8×100M/1G Base-X SFP Ports
SFP ports	Gigabit SFP optical fiber interface multi-mode, single fiber / double fiber optical module.
Layer2 Switching	
Spanning Tree Protocol (STP)	STP (IEEE802.1d) RSTP (IEEE802.1w)
Aggregation	Provide LACP IEEE 802.3ad 8 groups at maximum Largest possible group: 16 Port
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) 4K VLAN based on IEEE802.1Q

Secure Shell (SSH) protocol	Telnet traffic in or out the switch is secured using available SSH v1 and v2
Multicast	Provide IGMP Snooping V1/V2 and Provide1024 multicast groups at most. Provide the user's quick departure mechanism Provide MLD Snooping V1/V2 Provide multicast VLAN
Industrial Ring Network Protocol	Provide G.8032 (ERPS), <50ms ring protection for industrial high reliable application 1024 devices per ring.
Secure Sockets Layer (SSL), HTTPS	Advance secure access to the browser-based management GUI in the switch via HTTP traffic encryption by SSL
Port Security	MAC Address are Locked to ports and, the number of learned MAC Addresses is limited
DHCP	Unauthorized configuration changes and use of IP addresses, while providing support for IP Source Guard and ARP detection is restrained
Scheduling	Strict priority and weighted round-robin (WRR) Queue assignment based on DSCP and class of service (802.1p/CoS)
Classification	Port based; 802.1p VLAN priority based; IPv4/IPv6 precedence/ type of service (ToS) / DSCP based;
Rate Limiting	Ingress policer; egress shaping and rate control; per VLAN, per port and flow based
Storm control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
ACLs	Up to 256 entries are available rate restriction based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag

Hardware Priority Queue	8 hardware queues are supported
Business features (only restricted management function models)	
Management	
Web GUI interface	Support configuration, system dashboard, maintenance, and monitoring through browser-based device configuration (HTTP/ HTTPs).
Dual Image	Provide backup OS files during update
Port Mirroring	The traffic of up to N 1 (N is Switch's Ports) ports can be mirrored to single destination port for network ana lysis proposes. A single session is supported.
Other Management	Single IP management; HTTP/HTTPs; SSH; RADIUS; DHCP Client; SNTP; cable diagnostics; ping; syslog; Telnet client
Link Detection	Compatible with IEEE802.3az Energy Efficient Ethernet Task Force. Automatically turns off power on Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up
LLDP	Used by network devices for advertising their identities, capabilities, and neighbors on IEEE 802 local area network, principally wired Ethernet.
Cable length detection	Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter.
Status LEDs	Power Supply LED, Connecting and PoE Working Status LEDs
Certifications	CE, FCC, RoHs
Environmental aspects	
Working Environment	Operating Temperature: -40°c ~ 80°c Storage Temperature: -40°c ~ 85°c Operating humidity 5% to 90%
Dimension	165 x 148 x 68.5 mm

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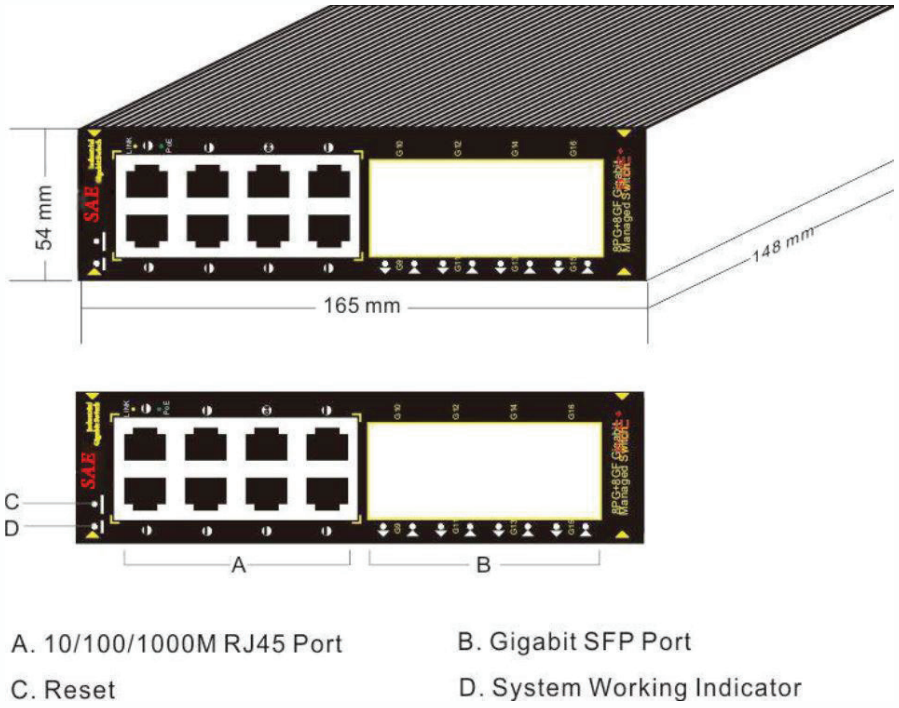
Product Size Display



A. 10/100/1000M RJ45 Port
B. Gigabit SFP Port
C. Reset
D. System Working Indicator

Product Application Display