

Type: SAE-PE880F-DGU

Technical Specification of SAE-PE8900FDG-M

➤ 9 port 10/100/1000 switch with 8 POE port and TWO fiber LC SFP port



- 8 PoE ports support power over Ethernet for Power Devices, Support IEEE 802.3af standard guaranty per port
- L2+ features provide better manageability, security, QoS, and performance
- Support L2+ Switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, POE+ management, IP Source Guard, ARP inspection, ACLs etc
- Support spanning tree STP(802.1D) and RSTP(802.1W)
- Support enhanced management through WEB, CLI, TELNET, SSH,SNMP
- All gigabit design, 8x gigabit Ethernet RJ45 ports with AutoUplink™ , 1x console port, and 2x gigabit SFP slots
- G.8032, support <50ms industrial quick ring protection

Product Description

This **SAE-PE8900FDG-M** can prepare a field that power and data can feed from a single point, using Power over Ethernet (PoE) over a single cable. All the 8 Ethernet ports are capable of connecting with 10/100/1000Mbps and the uplink port of this switch is a fiber interface, through which all ports can support IEEE 802.3af/at power supply for every POE standard devices.

Regards to using advanced auto-sensing algorithm the



SAE-PE8900FDG-M gives power only to IEEE802.3af front-end devices, so don't worry about connecting PoE or non-PoE devices to this feeder. Additionally, this good gives up the power when PoE devices are disconnected. Intelligently, this manageable PoE Switch **SAE-PE8900FDG-M** can recognized automatically PoE demands of devices, speed, duplex, and cable type using Auto Uplink™.

SAE-PE8900FDG-M made by high quality of components were rigorous screened, have superior performance in stability, environmental adaptability. The product planned in a way of better resistance and ability to corrosion and electromagnetic interference. Power input also made a suitable and reliable types of power, to get more powerful suitability to environment.

: Applications

- IP cameras monitoring systems and transmitting systems
- Access points wireless systems and transmission data
- IP telephony , virtual PABX and intelligent unmanned systems
- Management and support Intelligent transportation supervisory (ITS)
- Monitoring TV medical and management
- School , campus, and... monitoring and remote control

: Technical specification

Product Name	SAE-PE8900FDG-M
Product code	
Performance (Switching capacity and forwarding rate)	
Capacity in Millions of Packets per Second (mpps) (64-byte packets) (Buffer Memory)	4 M
Switching Capacity in	52 G



Gigabits per Second (Gbps) (Bandwidth)	
Interface	
port	8-Port 10/100/1000Base-T + 2xgigabit SFP slots + 1 console
Spanning Tree Protocol (STP)	Standard Spanning Tree 802.1d Rapid Spanning Tree (RSTP) 802.1w
G.8032 ERPS	<50ms ring protection for industrial high reliable application
Aggregation	Link Aggregation Control Protocol (LACP) IEEE 802.3ad; Up to 13 groups ; Up to 16 ports per group
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) ; Port-based VLAN; 802.1Q tag-based VLAN
IGMP v1/v2 snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 1024 multicast groups (source-specific multicasting is not supported)
Security	
Secure Shell (SSH) Protocol	SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are support
Secure Sockets Layer(SSL), HTTPS	SSL encrypts the http traffic, allowing advance secure access to the browser-based management GUI in the switch
Port Security	MAC Addresses to ports, Locks and limits the number of learned MAC addresses
DHCP Snooping	prevent unauthorized configuration and use of IP addresses, while providing support for IP Source Guard and ARP detection
IP Source Guard	Prevents datagram with spoofed addresses from being in the network
ARP Inspection	Prevent ARP spoofing attacks and ARP
Storm control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
ACLs	Support for up to 256 entries; Drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag
Quality of Service	
Hardware Priority Queue	Support 8 hardware queues
Scheduling	8 COS queues per port support strict priority and weighted round-robin (WRR)
Classification	Port based; 802.1p(PCP) VLAN priority based;
Rate Limiting	Ingress policer; egress shaping and rate control; per VLAN, per



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port and flow based

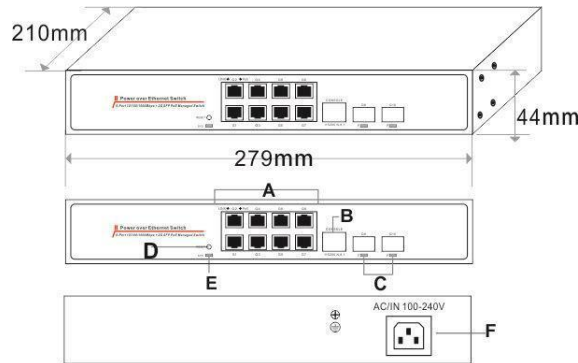
Management(Web/ SSL, Telnet/ SSH, ping, Trivial File Transfer Protocol (TFTP), SNMP, Syslog)

Web GUI interface

Built-in switch configuration utility for browser-based device configuration (HTTP/ HTTPs). Supports configuration, system dashboard, maintenance, and monitoring

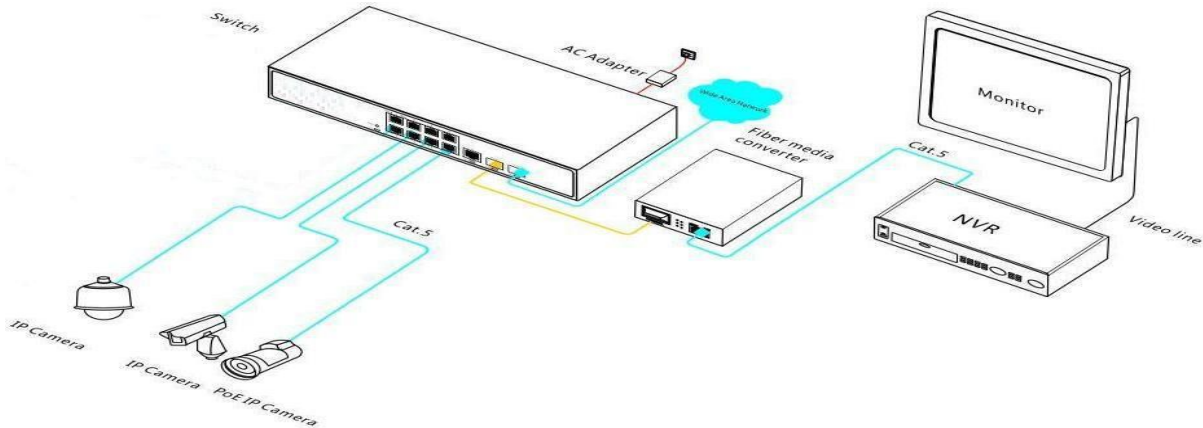
Product Size Display

L X W X H(mm): 279 x 210x 44mm



- A. Rj45 Ports (PoE Ports)
- B. Console Port
- C. Gigabit Uplink SFP Slot
- D. Reset
- E. System Working Indicator
- F. 100-240VAC,50/60Hz

Product Application Display



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