Technical Specification

SAE-PE890F-DGM

8 ports PoE 10/100Mbps switch & 2 gigabit combo port(SFP+RJ45)

Product Description

- ➢ 8 PoE ports support power over Ethernet for Power Devices, Support IEEE802.3af standard guaranty per ports (15.5 watt per port)
- ➢ 8 x RJ45 ports fast ethernet auto-sensing
- ➢ Supports Auto MDI/ MDIX
- ➢ 2 x Up-link Gigabit SFP (Fiber Ports), Uplink ports 1.25Gbps fiber interface
- ➢ Natural cooling by using method of Fan less design
- ➢ Metal compact package design, suitable for desktop or 1-U rack mount
- ➢ Remote Web interface for Switch management
- ➢ 120 watts total power output

Full Description

This **SAE-PE890F-DGM** management PoE switch prepare a field that power and data can feed from a single point, using Power over Ethernet (PoE) over a single cable. 8 PoE fast Ethernet ports and 2-gigabit combo(SFP+rj45) uplink ports prepare any 1000Mbps link and the rest of 8 ports can supply industry-standard IEEE 802.3af power for every PoE standard devices. Regards to using advanced auto-sensing algorithm the **SAE-PE890F-DGM** 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-PE890F-DGM** can recognized automatically PoE demands of devices, speed, duplex, and cable type using Auto Uplink™. Remarkably it has two gigabit fiber ports (SFPs) that helps smart CCTV network designers to improve their planning and use the switch intelligently. Additionally, network planners would control the network parameters via web management system. **SAE-PE890F-DGM** 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.

Application

- ➢ IP cameras monitoring systems and transmitting systems
- ➢ Access points wireless systems and transmission data
- ➢ IP telephone, 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
- ➢ Wireless systems (AP) and transmission data

Technical Specification

Product	
Performance	
Capacity in Millions of Packets per Second (64-byte packets) (Buffer Memory)	96KB
Switching Capacity in Gigabits per Second (Gbps) (Bandwidth)	8.8Gbps (non-blocking)
Maximum Network Delay in microseconds (us)	maximum delay less than 20 (μs)
MAC Size	1k
MTBF	190,000 hours
Supported Network Protocols and Standards	

- ➢ IEEE 802.3i 10BASET
- ➢ IEEE 802.3u 100BASETX
- ➢ IEEE 802.3x Flow Control

| Interface	
ports	8 10/100/1000Base-T PoE ports (Data/Power) 2 uplink Gigabit combo(SFP+RJ45) slot ports (Data) 1 console port
Spanning Tree Protocol (STP)	Standard Spanning Tree 802.1d Rapid Spanning Tree (RSTP) 802.1w
Aggregation	Link Aggregation Control Protocol (LACP) IEEE 802.3ad; UP to 5 aggregation groups and 8 ports per group
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) 4K VLAN based on IEEE802.1Q
Multicast	IGMP V1/V2 snooping, supports 1024 multicast groups
Security	
Security parts	➢ SSH secures Telnet traffic in or out the switch, support SSH V1 and V2 ➢ SSL encrypts the http traffic, allowing advance secure access to the browser-based management GUI in the switch MAC learning limit ➢ ARP inspection, Port isolation, ARP message speed limit ➢ Broadcast storm control ➢ DHCP Snooping, prevent unauthorized configuration and useof IP addresses while providing support for IP Source Guard and ARP detection
ACLs	➢ Support for up to 256 entries, Drop or rate limitation based on source and destination MAC, VLAN ID or IP address Type ➢ ACL based on port and VLAN ➢ Based on TCP/UDP Port, TCP/UDP Port Range ➢ Differentiated services code point (DSCP) ➢ Ethernet type ➢ Internet Control Message Protocol (ICMP) packets
Quality of Service	
Hardware Priority Queue	Support 8 hardware queues
Scheduling	Queue Scheduling Algorithm (SP, WRR, SP+WRR)
Classification	Port based on 802.1p(PCP) VLAN priority

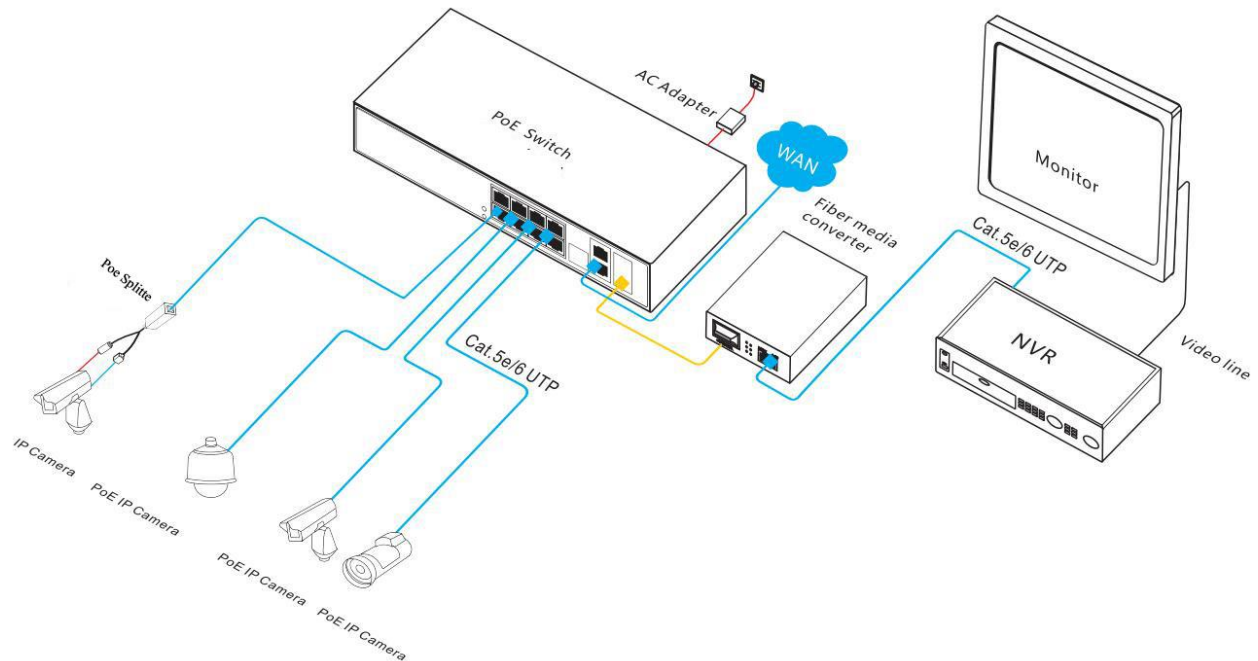|	
Rate Limiting	Rate control per VLAN, per port and Flow-based rate limiting
Management	
Web GUI interface	➢ Web/ SSL, Telnet/ SSH, ping, Trivial File Transfer Protocol (TFTP), SNMP ➢ Supports configuration, system dashboard, maintenance and monitoring ➢ Built-in switch configuration utility for browser-based device
Dimension	279 x 210x 44mm
Working Environment	Operating Temperature: 0° c ~ 60°c ; Storage Temperature: -20°c ~ 75°c

Display
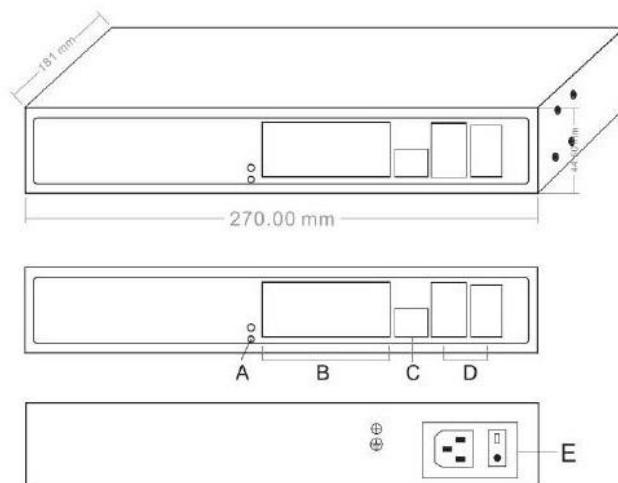
A.Working Indicator
B. 8*10/100M PoE Ports
C.Console Port
D.2*1000M Combo Ports
E.Power Input Port 100-240V AC,50/60Hz

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