Smart Architecture of Espadana

Designing, Production,Customization and Consultant Service

in Network and Fiber Optic System

Technical Specification

SAE-IPE8800F-DFIM

8 PoE 10/100/1000Mbps ports & 2×gigabit SFP fiber slot ports

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Product Description

- Industrial design, 8 x 10/100/1000Mbps Ethernet RJ45 ports with Auto Uplink™, and 2 x gigabit SFP fiber slot
- Max PoE Power Per Port: 15.4W (IEEE802.3af) /30W (IEEE802.3at)
- total power output: 120W
- Support IEEE802.3x flow control for Full duplex Mode and back pressure for Half duplex Mode
- RJ45 port supports Auto MDI/MDIX
- Automatic MAC address learning and aging
- Auto Negotiation for Full duplex Mode and Half duplex Mode
- Provide DIN35 rail type installation method
- Electromagnetic compatibility of up to 4 grade standard
- IP40 protection class
- Superior performance, successfully used in industrial field
- Default PoE power supply type is end-span, mid-span optional
- Support SNMP, WEB and other rich manage methods, With network management function

Full Description

This SAE-IPE8800F-DFIM Industrial Gigabit smart PoE switch prepare a field that power and data can be feed from a single point, using Power over Ethernet (PoE) over a single cable. Eight PoE ports and one gigabit combo port it prepared any 10/100/1000 Mbps, all ports can supply industry-standard IEEE 802.3af/IEEE 802.3atpower for every PoE standard devices. 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. Regards to using advanced auto-sensing algorithm the SAE-IPE8800F-DFIM gives power only to IEEE802.3af/IEEE 802.3at 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 SAE-IPE8800F-DFIM can recognize automatically PoE demands of devices, speed, duplex, and cable type using Auto Uplink ™. SAE-IPE8800F-DFIM 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

- 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
- Long distance Multi-media Schooling, Campus monitoring
- Broadcast television transmission system

Technical specification

Product	**SAE-IPE8800F-DFIM**
Performance	
Buffer Memory	4M
Bandwidth	52Gbps
Interface	
ports	8×10/100/1000Mbps Ethernet RJ45 ports with Auto Uplink™, 2×gigabit SFP fiber slot
Layer2 Switching	
Spanning Tree Protocol (STP)	STP (IEEE802.1d) RSTP (IEEE802.1w)
Aggregation	Provide LACP Provide static polymerization Provide the largest 7 aggregation groups, each aggregation group
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) 4K VLAN based on IEEE802.1Q
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.

PoE Management	Total power limit of PoE power supply PoE output power allocation per port, close /af/ at PoE output priority configuration for each port PoE working state display per port Power delay start PoE work and time scheduling
Safety Features	
safety parts	➢ Secure Shell (SSH) Protocol/ SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported ➢ 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/ Locks MAC Addresses to ports, 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) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag
Management	
Maintenance and Web Interface	➢ Web GUI interface/ Built in switch configuration utility for browser-based device configuration (HTTP/ HTTPs). Supports configuration, system dashboard, maintenance, and monitoring ➢ Dual Image/ Dual image provides independent primary and secondary OS files for backup while upgrading ➢ Firmware upgrade/ Web browser upgrade (HTTP/ HTTPs) and TFTP Upgrade through console port as well ➢ Port mirroring/ Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N 1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported. ➢ Other management/ Single IP management; HTTP/HTTPs; SSH; RADIUS; DHCP Client; SNTP; cable diagnostics; ping; syslog;

Requirements	
System requirement	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; Cat5e or later Ethernet cable; TCP/ IP, network adapter and network operating system (Microsoft Windows, Linux or Mac) installed on every computer in the network.
Cable length detection	Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter.
PoE	
PoE Standard	IEEE802.3af/IEEE802.3at
Max / Average Power Per Port	15.4W (IEEE 802.3af) / 30W (IEEE 802.3at)
Total PWR / Input Voltage	120W/ 48(VDC)
Power Type	End-span (Mid-span optional)
Environmental aspects	
Working Environment	Operating Temperature: -20°c ~ 75°c Storage Temperature: -40 °c ~ 75°c Operating humidity 5% to 90%
Dimension	165x145x45mm

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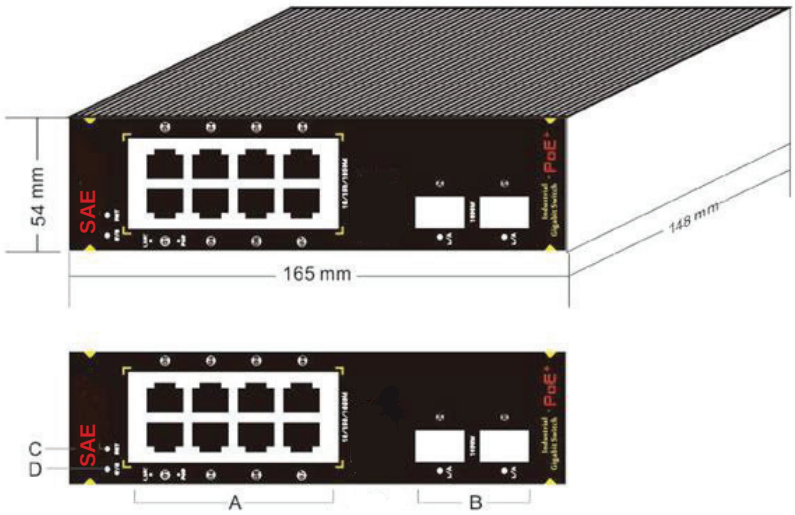
Product Size Display



A. RJ45 Port(PoE Port) D. System Working Indicator
B. Gigabit SFP fiber slot
C. Reset

Product Application Display