



**SEPITAM**

ONE STEP SMARTER

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**SEPITAM**  
**PS208G-DFM**



## TYPE:

# Sepitam-PS208G-DFM

Sepitam's enterprise-grade switches are available in managed, unmanaged, PoE, and non-PoE models. The advanced PoE technology simplifies powering various network devices, and high-capacity switches enhance network scalability. With robust management features, these switches enable Layer 2 protocol configurations, delivering superior network efficiency and security.



- ▶ TYPE: Sepitam-PS208G-DFM
- ▶ Technical Specification of Sepitam-PS208G-DFM
- ▶ 8\*10/100/1000Base-T POE ports & 2\*10/100/1000Base-X SFP ports Enterprise Management Switch

## ▶ Description:

The Sepitam-PS208G-DFM is a full Gigabit managed Enterprise PoE switch. It has 8\*10/100/1000Mbps PoE ports and 2\*10/100/1000Mbps SFP fiber slot Uplink ports, port 1-8 can support IEEE 802.3af/at standard PoE power supply, single port POE power up to 30W, and the maximum PoE output power is 120W (at-240W). As a PoE power supply device, it can automatically detect and identify the electrical equipment that meets the standard and supply power through the cable. It can supply the PoE terminal equipment, such as wireless AP, network camera, network telephone and so on, to meet the demand for high density PoE power supply network environment. . A reliable communication networks.

Managed model supports a variety of network redundancy protocol STP/RSTP/MSTP (<50ms). When one-way network fails, communication can be recovered quickly to ensure uninterrupted communication of important applications. Sepitam-PS208G-DFM industrial series products fully follow industrial product design and material. According to the actual application needs, through Web, CLI, SNMP network management, POE power supply management, port flow control, VLAN division, STP, RSTP and other functions of the application service configuration.



## ► Properties:

- 8\*10/100/1000Mbps PoE+ and 2\*10/100/1000Mbps SFP fiber Port Enterprise PoE Switch, 1-8 ports support IEEE 802.3af/at;
- PoE port support AF/AT intelligent recognition. Standard power is 15.4W/port, Maximum power: 30W/port;
- Support L2+ full network management, PoE network management and configuration;
- Input voltage: 100~240Vac 50-60Hz 1A
- Rack Mounted Installation

## ► Specifications:

Model	Sepitam-PS208G-DFM
Interface	8*10/100/1000Base-T PoE ports (Data/Power) 2*100/1000Base-X SFP slot (Data) 1 * RS232 console port (115200, N,8,1)
PoE Port	Port 1-8 supports POE @ IEEE802.3af/at
Network Protocol	IEEE802.3 10BASE-T IEEE802.3u 100BASE-T/TX IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASE-X IEEE802.3u 100BASE-FX IEEE802.3x.
PoE Standard	IEEE802.3af/at
SFP Port Characteristic	Gigabit SFP optical fiber interface, default matching optical modules, need to buy separately, (optional order mode / multi-mode, single fiber / double fiber optical module.
Forwarding Mode	Store and Forward



Model	Sepitam-PS208G-DFM
Switching Capacity	192bps (Non-blocking)
Forwarding Rate@64byte	14.88Mpps
MAC	8K
Buffer Memory	4M
Jumbo Frame	10K
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)
Optical Cable	Multi mode: 850nm 0 ~ 500M; Single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Power Supply	Internal power supply 100~240V 50-60Hz 1A 150W
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	200W
Power Consumption	Standby:<10W; Full load:<240W
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-10(Link/Act)/ (Orange); POE indi-
Operation TEMP / Humidity	-10~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-20~+75°C;5%~95% RH Non condensing
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;



Model	Sepitam-PS208G-DFM
<b>Business features (only restricted management function models)</b>	
Port	Support IEEE802.3x flow control (full duplex) Support for broadcast storm suppression based on port rate support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps. Support port temperature protection settings Support port EEE green Ethernet energy saving configuration
PoE Management	Support total power limit configuration for POE power supply Support PoE output power allocation per port, close / start af/at Support PoE output priority configuration per port Support PoE work status per port display Support power delay start Support PoE work and time scheduling
Layer 3 Function	L2+ network management function Support IPV4/IPV6 management Support layer3 soft routing (weak three tier) forwarding, Support different network segments, communication between different VLAN Support static routing / default routing 128, 1024 ARP software forwarding
VLAN	Support port based VLAN (4K), IEEE802.1q Support protocol based VLAN Support Voice VLAN Support for MAC address-based VLANs Support Access, Trunk, Hybrid three types of port configuration Support QinQ configuration
Port Aggregation	Support LACP Support static polymerization Support the largest 8 aggregation groups, each aggregation group supports 8 ports.



Model	Sepitam-PS208G-DFM
Spanning Tree	Support STP (IEEE802.1d) Support STPRSTP (IEEE802.1w) Support STP MSTP (IEEE802.1s)
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices perring. The self-healing time of the ring network is less than 20ms
Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most. Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN
Mirror	Bi-directional traffic mirroring supporting the basic port
QoS	Support Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) Support priority tag Mark/Remark Support stream-based packet filtering Support for stream-based redirection Support flow-based speed limit
ACL	Support L2 to L4 packet filtering function, can match the first 80 bytes of the message, provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition ACL. Support ACL based on port and VLAN
Safety Characteristics	Support user grading management and password protection Support IEEE802.1X authentication / centralized MAC address authentication Support AAA&RADIUS authentication Support the number of MAC address learning restrictions Support MAC address black hole Support SSH 2.0 to provide secure passwords for user login.



Model	Sepitam-PS208G-DFM
Safety Characteristics	<ul style="list-style-type: none"> <li>Support SSL to ensure data transmission security</li> <li>Support port isolation</li> <li>Support the speed limit function of ARP message</li> <li>Support IP source address protection</li> <li>Support ARP intrusion detection function</li> <li>Support against DoS attacks</li> <li>Support port broadcast message suppression</li> <li>Support host data backup mechanism</li> <li>Binding capabilities of IP+MAC+VLAN+ ports</li> </ul>
DHCP	<ul style="list-style-type: none"> <li>Support DHCP Client</li> <li>Support DHCP Snooping</li> <li>Support DHCP Serve</li> <li>Support DHCP Relay</li> </ul>
Management and Maintenance	<ul style="list-style-type: none"> <li>Support Console/AUX Modem/Telnet/SSH2.0 CLI command line configuration</li> <li>Support WEB network management (HTTPS)</li> <li>Support FTP, TFTP, Xmodem, SFTP file download management</li> <li>Support SNMP V1/V2C/V3</li> <li>Support one bond reduction</li> <li>Support NTP clock</li> <li>Support system work log</li> <li>Support Ping detection</li> <li>Support cable state detection</li> <li>Support CPU instant utilization status view</li> <li>Support link layer discovery protocol LLDP</li> <li>Support NMS intelligent management center</li> </ul>
System Requirements	<ul style="list-style-type: none"> <li>Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;</li> <li>Cat5e or later Ethernet cable;</li> <li>TCP/ IP, network adapter and network operating system (Microsoft Windows, Linux or Mac OS X) installed on every computer in the network.</li> </ul>

# Technical Specification of Sepitam-PS208G-DFM



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