



Type: Sepitam-PS208E-DCM-at

8*10/100Mbps RJ45 ports+2*GE/GF Combo (TP/SFP)



Description:

The **Sepitam-PS208E-DCM-at** series is 100/1000M unmanaged PoE switch independently developed by Sepitam. it has 8*10/100Mbps RJ45 ports+2*GE/GF Combo (TP/SFP) ports.1-8 ports support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power of the whole machine is 130W (at-250W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP, visual intelligent building intercom through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprises.

Managed model is supporting web management, including the configuration for PoE, control data traffic of port, VLAN division, QOS,IGMP,DHCP,ERPS,SNMP,STP and RSTP etc.

Features:

◆ 10/100M RJ45 Port + Gigabit Combo Port

- All series supports "10/100 RJ45 port + Gigabit combo port " combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- Support non-blocking wire speed forwarding
- Support full duplex based on IEEE802.3x and half duplex based on Backpressure.

◆ Smart PoE Function

- 8*10/100M PoE RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage and other scenarios.
- IEEE802.3af/at, Auto-sensing PoE standard of terminal device. Max PoE power output is up to 30W.
- Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.



◆ **Strong Handling Performance**

- Support IEEE 802.1Q VLAN, users can flexibly divide VLAN according to needs, and support QinQ configuration.
- Support QoS, support port based, 802.1P based and DSCP based three priority modes and Equ, SP, WRR, SP+WRR four queue scheduling algorithms.
- ACL supports the filtering of data packets by configuring matching rules, processing operations and time permissions, and provides a flexible access control strategy.
- Support IGMP V1/V2 multicast protocol and support IGMP Snooping to meet the multi terminal HD video surveillance and video conference access requirements.
- Support STP/RSTP/MSTP production tree protocol, eliminates two layers of loops, and realizes link backup.
- Support static convergence and dynamic convergence, effectively increases link bandwidth, achieves load balancing, link backup, and improves link reliability.

◆ **Complete Safety Protection Mechanism**

- Support 802.1X authentication, provide authentication function for LAN computer, and control the authorized status of controlled port according to the result of authentication.
- Support port isolation
- Support port broadcast storm suppression
- Support port +MAC binding, IP+MAC+ port binding function

◆ **The Equipment Is Stable And Reliable**

- The host has low power consumption, no fan mute design, aluminum alloy metal shell, excellent heat dissipation, and ensure stable operation of products.
- The equipment fully meets the requirements of CE, FCC and RoHS safety regulations, and is safe and reliable.
- The user can easily understand the working status of the device through the power indicator (PWR), port status indicator (Link/Act), and POE operation indicator.



◆ Easy operation and maintenance

- Supports various management and maintenance methods such as web network management, CLI command line (Console, Telnet), and SNMP (V1/V2/V3).
- Support RMON, system log, port traffic statistics, easy network optimization and transformation.
- Support cable detection, ping detection, and Tracert detection operations to easily analyze failed network nodes.
- Support LLDP to facilitate the network management system to query and judge the communication status of the link.
- Support CPU monitoring, memory monitoring, ping detection, Tracert detection, cable detection.
- Supports encryption methods such as HTTPS, SSLV3, and SSHV1/V2 for more secure management.

Specifications:

Model	Sepitam-PS208E-DCM-at
Interface	8*10/100Base-TX POE Port (Data/Power);2*1000M TP/SFP Combo Port (Data)
POE Port	Port 1 - 8 support PoE @ IEEE802.3af/at
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;IEEE802.3u 100Base-TX/FX; IEEE802.3ab 1000Base-TX;IEEE802.3z 1000Base-FX;IEEE802.3x
PoE Standard	IEEE802.3af/at
Ethernet Port Feature	Port 1-8: 10/100BaseT(X),Auto-sensing, Port 9-10: 10/100/1000BaseT(X), Auto-sensing, full/half duplex MDI/MDI-X self-adaption
Fiber Port Feature	100M SFP optical fiber interface, default matching optical modules, need to buy separately, (Optional single-mode / multi-mode, single fiber / dual fiber module, LC).
Forwarding Mode	Store and Forward (Full wire speed)



Switching Ca- pacity	5.6Gbps (Non-blocking)		64Gbps (Non-blocking)	
Forwarding Rate@64byte	4.17Mpps			
MAC	16K			
Buffer Memory	4M			
MTBF	100,000 hours			
Twisted Pair Transmission	10BASE-T : Cat3,4,5 UTP(≤100 meter) ;100BASE-TX : Cat5 or later UTP(≤100 meter) ;1000BASE- TX : Cat5 or later UTP(≤100 meter)			
Optical Cable	Multi Mode: 850nm 0-550M;Single Mode: 1310nm 0-40KM , 1550nm 0-120KM.			
Power Supply Pin	Default: 1/2(+), 3/6(-); Optional: 4/5(+), 7/8(-)			
MAX / Average Power Per Port	30W/15.4W	30W/30W	30W/15.4W	30W/30W
Total PWR / Input Voltage	130W (AC100- 240V)	250W (AC100-240V)	130W (AC100- 240V)	250W (AC100-240V)
Power Con- sumption	Standby:<5W; Full Load:<130W	Standby:<6W; Full Load:<250W	Standby:<5W; Full Load:<130W	Standby:<6W; Full Load:<250W
LED	PWR (Green); Link/Act (Yellow); PoE (Green); Speed (Green);			
Reset Button	N/A		Yes, support one key to restore factory settings.	
Power Supply	Built in power sup- ply.AC: 100~24 0V 50-60Hz 2.3A	Built in power sup- ply.AC: 100~240V 50- 60Hz 4.1A	Built in power sup- ply.AC: 100~240 V 50-60Hz 2.3A	Built in power sup- ply.AC: 100~240V 50-60Hz 4.1A
Operation TEMP / Hu- midity	-20~+55°C;5%~90% RH, Non-condensing			



Storage TEMP / Humidity	-40~+75°C;5%~95% RH, Non-condensing
Dimension	270*181*44.5mm
Net /Gross Weight	<1.7kg / <2.2kg
Lightning protection / protection level	Port Lightning Protection 4KV 8/20us;Protection Level: IP30
Certification	CE mark, commercial;CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Managed Series Feature	
Interface	IEEE802.3X (Full duplex) Broadcast storm control based on port speed Speed limit of the message flow in the access port. The minimum particle size is 64Kbps.
PoE Management	Distribution for PoE output power of each port PoE working status Delay start of power supply Scheduling of PoE operation and time
VLAN	4K VLAN based on port, IEEE802.1q VLAN based on protocol QinQ configuration
Port Aggregation	LACP Manual aggregation Max 6 aggregation groups and max 8 port per group
Spanning Tree	STP(IEEE802.1d) RSTP(IEEE802.1w) MSTP(IEEE802.1s)



Spanning Tree	STP(IEEE802.1d) RSTP(IEEE802.1w) MSTP(IEEE802.1s)
Multicast	IGMP Snooping v1/v2/v3, Max 64 multicast groups Fast log out MLD Snooping v1/v2 Multicast VLAN
Mirroring	Bidirectional data mirroring based on port
QoS	Diff-Serv QoS 8*Output queues of each port 802.1p/DSCP priority mapping Queue Scheduling Algorithm (SP,WRR,SP+WRR) Priority Mark/Remark
ACL	L3-L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range and VLAN etc.
Security	Port Isolation Broadcast Storm Control Port-MAC Binding, IP-MAC-Port Binding
DHCP	DHCP Relay DHCP Client DHCP Snooping
Management and Maintenance	Web Management (HTTPS) SNMP V1/V2C/V3 One-key recovery NTP Login Record



Technical Specification of Sepitam-PS208E-DCM-at

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