



## TYPE: Sepitam-PI808G-OFM

### 8-Port 10/100/1000Base-T + 8 (100M/1G) SFP L2 Plus Industrial Managed POE+ Switch



#### Description:

The Sepitam-PI808G-OFM, the next generation L2+ managed POE+ switch from, features with powerful web management function. Fan-less & low consumption design. Supporting Looped Network Redundancy. (Self-healing time <20ms, with complete security and QoS policy, support VLAN division, port mirroring, port speed limit. Support broadcast storm suppression & flow control. Managed through a variety of interfaces and ways including the WEB, CLI and SNMP etc. With the wide working temperature and anti-surge protection in all ports, it is widely used in rail traffic, electricity, water conservancy, petrochemical, industrial control, electric alarm bayonet and other harsh environment, stability required strictly industry or place.

#### Feature:

- L2+ features provide better manageability, security, QoS, and performance.
- 8\*10/100/1000M Base-TX RJ45 Ports + 8\*1000M Base-X SFP Ports. All ports support line-speed forwarding mode
- 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).
- Jumbo frames support up to 9.6K kilobytes.
- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP.
- IEEE 802.3af and 802.3at. Supports per port PoE configuration function
- G.8032, support <50ms industrial quick ring protection



Feature	Description		
Performance			
Switching capacity and forwarding rate	Model Name	Capacity in Millions of Packets per Second (mpps) (64-byte packets)	Switching Capacity in Giga-bits per Second (Gbps)
	Sepitam-PI808G-OFM	23.81	256
Layer 2 Switching			
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 8 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		
DHCP Snooping (Layer 2)	Prevent unauthorized configuration and use of IP addresses, while providing support for IP Source Guard and ARP detection		
IGMP v1/v2 snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 1024 multicast groups (source-specific multicasting is also supported)		
Security			
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		
IP Source Guard	Prevents datagram with spoofed addresses from being in the network		
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		
Quality of Service			
Hardware Priority Queue	Support 8 hardware queues		
Scheduling	Strict priority and weighted round-robin (WRR)		
	Queue assignment based on DSCP and class of service (802.1p/ CoS)		
Classification	Port based; 802.1p VLAN priority based; IPv4/IPv6 precedence/ type of service (ToS) / DSCP based;		
Rate Limiting	Ingress policer; egress shaping and rate control; per VLAN, per 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			
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; Telnet client			
Green Ethernet					
Link detection		Compliant IEEE802.3az Energy Efficient Ethernet Task Force. Automatically turns off power on  Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up			
Cable length detection		Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter.			
General					
Jumbo frames		Frame sizes up to 9KB supported on Gigabit interfaces			
MAC Table		Up to 8K MAC addresses.			
Discovery					
Link Layer Discovery Protocol (LLDP)		Used by network devices for advertising their identities, capabilities, and neighbors on a IEEE 802 local area network, principally wired Ethernet.			
Interface					
Ports	Model Name	Total System Ports	RJ-45 Ports	(100M/1G ) SFP	(1G/10G ) SFP+
	Sepitam-PI808G-OFM	16GbE	8GbE	8	--
Environmental (preliminary)					
Dimensions		165*148*54mm			
Weight		1.1KG			
Power		DC 48~57V			
Certification		CE, ROHS, FCC			
Operating temperature		-40℃ ~ 80 ℃			
Storage temperature		-40℃ ~ 85 ℃			
Operating humidity		10% to 90% , relative, non-condensing			



# Technical Specification of Sepitam-PI808G-OFM

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