SEPITAM

ONE STEP SMARTER

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SEPITAM
PI204G-DFM

TYPE:

Sepitam-PI204G-DFM

Industrial Ethernet Switches can be implemented in outdoor projects and challenging environments due to their stable performance in harsh environmental conditions, including a wide range of temperatures, high humidity, and electromagnetic radiation. PoE technology in these products greatly contributes to the easier power supplying of various network devices, and its management and configuration capabilities provide optimal performance.

- TYPE: Sepitam-PI204G-DFM
- Technical Specification of Sepitam-PI204G-DFM
- 4*10/100/100Base-T PoE ports & 2*10/100/1000Base-X SFP ports industrial Managed switch

Description:

Sepitam-PI204G-DFM Industrial Switch is a Layer 2+ managed Gigabit Switch that features 4 Ports 10/100/1000MBaase-T RJ45 and 2 Port 10/100/1000Base-X SFP optical port, is specially designed to build a full Gigabit backbone to transmit reliable and high-speed data in heavy industrial demanding environments and forward data to remote network through fiber optic cabling. It comes with an IP40 rugged case. The industrial managed switch provides user-friendly but advanced IPv6/IPv4 management interfaces. It is the best investment for expanding industrial business or upgrading its network infrastructure.

Properties:

- Support L2+ Switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, IP Source Guard, ARP inspection, ACLs etc
- Support spanning tree STP (802.1D) and RSTP (802.1W) and MSTP (802.1s)
- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP.
- Support cable diagnosis
- Dual firmware backup
- Support G.8032 quick ring protocol. Self-recovery time <20ms
- Support IEEE1588 v2, transparent clock (TC)
- Support DDM, SFP digital diagnostics monitoring
- Support IPV4 and IPV6 static routing functions
- Support memory and CPU monitoring
- 6KV surge protection, 6KV contact/8KV air ESD protection

Specifications:

Model	Sepitam-PI204G-DFM
Copper Ports	4-10/100/1000BASE-T RJ45 auto-sensing ports
Fiber Ports	2-100/1000BASE-T SFP interfaces, supports 100/1000Mbps dual mode
Console Ports	1 x RS-232-to-RJ45 serial port (115200, 8, N, 1)
Switch Architecture	Store-and-Forward
Switch Fabric	12Gbps/non-blocking
Throughput	8.928Mpps @64 bytes
Address Table	8K entries
Share Data Buffer	4.1 Mb
Jumbo Frame	9216 Bytes
SDRAM	1Gb
Flash Memory	128Mb
Flow Control	IEEE 802.3x pause frame for full-duplex Back pressure for half-duplex
Reset Button	>2 sec.: Factory default and reset
Power Supply	12~48 VDC, 50/60Hz, Dual DC

Model	Sepitam-PI204G-DFM
LED Indicators	Power: Green Solid on--power work normal, off--power disconnected System: Green Blink--work normally, solid on--soft work abnormal, fast blink--soft upgrade 10/100/1000T RJ45 Interfaces (Port 1 to Port 4): 1000 LNK/ACT (Green), 10/100 LNK/ACT (yellow), Blink--port connected with data transmission; Solid on--port connected without data transmission 100/1000Mbps SFP Interfaces (Port 5 to Port 6): Green Blink- port connected with data transmission; Solid on- port connected without data transmission
EMC	Surge Immunity: 6KV Per: IEC61000-4-5 ESD Protection: ESD Level 4 Per: IEC61000-4-2; EFT Level 4 Per: IEC61000-4-4
Dimension	145x112x47.2mm
Weight	0.6kg
Working Temperature	-40° C to 75° C
Storage Temperature	-40°C to 80 °C
MTBF	50,000hrs
Port configuration	Auto-negotiation Flow Control Port Mirror: TX/RX/BOTH; Many-to-1 monitor CPU Mirror Traffic statistics
Link Aggregation	Static link aggregation LACP（Dynamic Trunk/Static Trunk） Algorith based on Source/Destination MAC Algorithm based on Source/Destination IP

Model	Sepitam-PI204G-DFM
MAC Table	Aging Time Static MAC address Dynamic MAC address management
VLAN	4094 Active VLANs 4094 VID 802.1Q Tag VLAN Port VLAN Protocol VLAN MAC VLAN Voice VLAN 802.1ad Q-in-Q tunneling Private VLAN (Protected port) GARP/GVRP
ACL	256ACLs L2, L3 e L4 Time-based ACL IP ACL MAC ACL MAC-IP ACL User-Defined ACL ICMPv6
Spanning tree	802.1D Spanning Tree Protocol (STP) 802.1w Rapid Spanning Tree Protocol (RSTP) 802.1s Multiple Spanning Tree Protocol (MSTP) Loop Guard Root Guard TC-BPDU Guard BPDU Guard BPDU Filter
Ring Protection	<20ms G.8032 ERPS Ring (Fast Ring)

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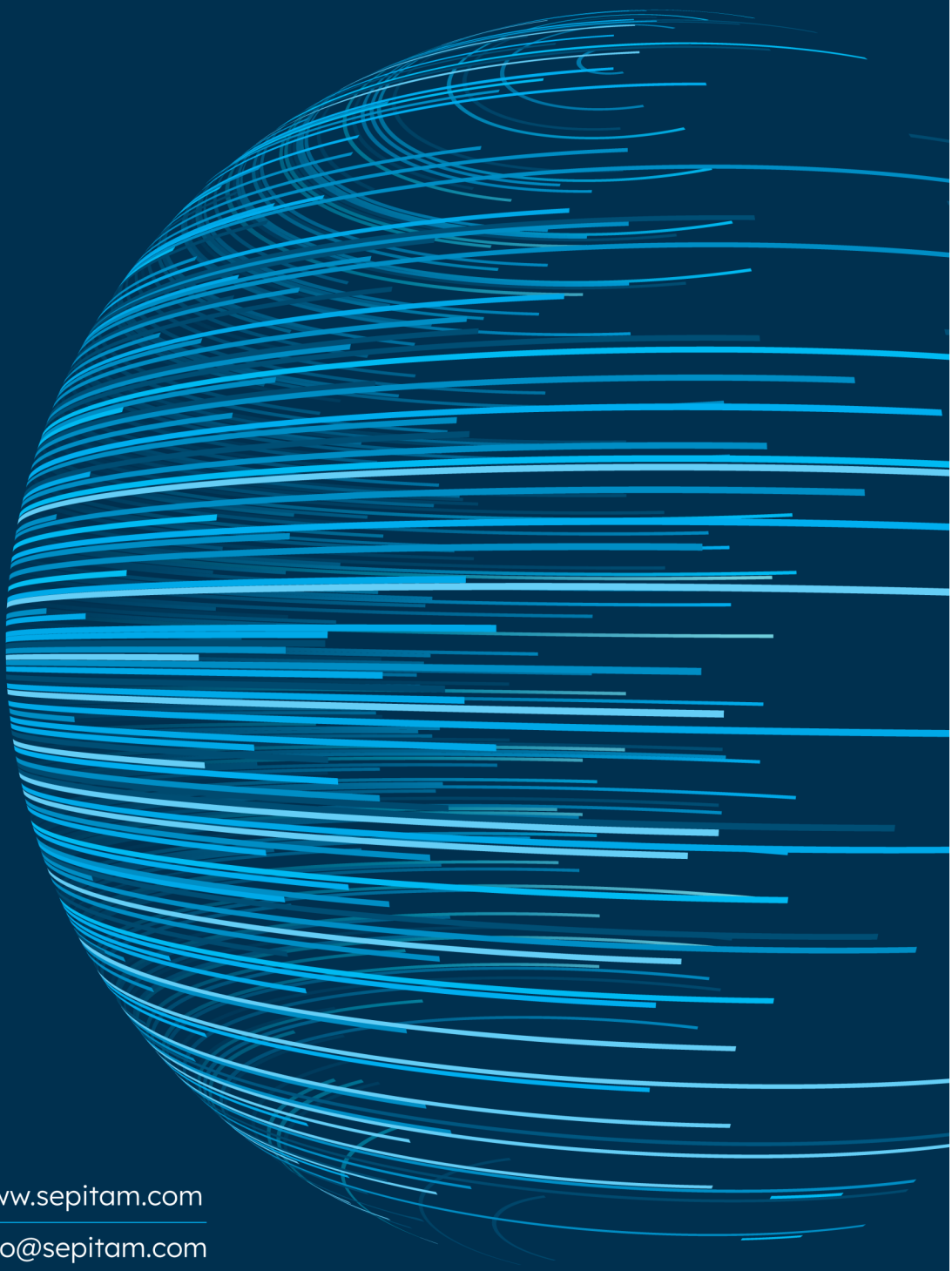
Multicast	256 groups IGMP v1/v2/v3 Snooping, Fast Leave MLD Snooping Multicast VLAN IGMP filter MVR Multicast Routing
QOS	8 mapping IDs to 8 level priority queues CoS port-based CoS 802.1p-based CoS DSCP-based Scheduling algorithms SP, WRR, SP+WRR Storm Control (Broadcast, Multicast, Unknown Unicast) Bandwidth control per port SWRR, DWRR for Scheduling Flow Redirect Precedence TOS Rate Limiting（Ingress/Egress）
Security Features	Port Security MAC address filter ARP Association (Manual, ARP scanning, DHCP snooping) ARP Protection DAI DoS (Denial of Service) Classification of packages based on: End.MAC, IP End, TCP / UDP Ports, Protocol Type; 802.1x Authentication (port-based e MAC-based) TACACS/TACACS+ Authentication

Model	Sepitam-PI204G-DFM
Security Features	RADIUS Authentication DHCP Filter Guest VLAN SSLv2/SSLv3/TLSv1 SSHv1/SSHv2 Restriction of WEB access based on: IP Address, And. MAC and Port; Port Isolation Loopback detection
Static Routing	IPv4 Unicast: Static Routing (Software Base) IPv6 Unicast: Static Routing (Software Base)
IPV6	IPv6 neighbor discovery (ND) Path maximum transmission unit (MTU) discovery Internet Control Message Protocol (ICMP) version 6 TCPv6/UDPv6 Ping6 Telnet(v6) Http/Https Interface IPV6 ACL IPV6

Technical Specification of
Sepitam-PI204G-DFM



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Info@sepitam.com