

Product Overview



The PM3010GSMI V1 independent research and development of industrial ring network management PoE switch, this provides 8*10/100/1000Mbps RJ45 ports and 2*1000Mbps SFP Slot Uplink ports, port1-8 supports PoE function and support 802.3af/at Standard, can be used as Ethernet power supply devices, can automatically detect identification standard of electrical equipment, and through the cable for the power supply. Supporting ring network function, has redundancy design, high reliability and so on.

This product is designed for severe bad industrial environment design, can support rail installation, it provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 management features, To meet the requirements of various industrial sites and enterprises, residential areas, Internet cafes, hotels, office networks and campus network networking and WIFI coverage requirements.

Product Features

- Support IEEE802.3 at standard, compatible with IEEE802.3 af by electrical equipment (PD);
- Stand-up output power up to 32 W;
- Automatic detection of PD equipment;
- No fan, full metal high energy roof conducting tank;
- Auto detect power device; will not burned non-standard PoE device or normal PoE switch;
- Support IEEE802.3 x full duplex flow control and Backpressure half duplex flow control;
- Supporting ring network function, has redundancy design, high reliability and so on;
- Support L2 STP/RSTP link protection technology;
- Support Console,Telnet,SSH grade many management methods;
- Support WEB and file upload and download management in TFTP mode;
- Panel lights to monitor working state and help fault analysis;
- Support manual convergence and dynamic convergence of two convergence modes, effectively increase the link bandwidth, improve the reliability of the link, and can achieve load balancing, link backup;
- Operating temperature: -40°C~75°C;

Product Specifications

Hardware Specification

Model	PM3010GSMI V1
Standard	IEEE 802.3,IEEE 802.3u,IEEE 802.3ab ,IEEE 802.3z,IEEE 802.3x,IEEE 802.1X,IEEE 802.1q ,IEEE 802.1p,IEEE 802.1d ,IEEE 802.1w,IEEE 802.3ad, IEEE802.3af,IEEE802.3at
Interface	8*10/100/1000Mbps RJ45 Port (Auto Negotiation/Auto MDI/MDIX) 2*1000Mbps SFP Slots 1 Console Port
Indicator	PWR,LNK/ACT,PoE,SYS
Network media	10BASE-T: UTP category 3,4,5 cable(≤100m) 100BASE-TX: UTP category 5, 5e cable(≤100m) 1000BASE-T: UTP category 5e, 5 cable(≤100m) 1000BASE-X: MMF, SMF
MAC Address Table	8K, Auto-learning, Auto-aging
jumbo frame	9216Bytes
Transfer Mode	Store-and-forward
Packet Forward Speed	14.88Mpps
Packet buffer	4M bit
Switching Capacity	20Gbps
Dimensions(L*W*H)	138*108*50mm
Fan Quantity	Fanless
PoE Standard	IEEE802.3af/at
PoE Port	Port1~8
PoE Power on RJ45	Mode A 1/2(+),3/6(-)
PoE Power Output	32W(MAX)
Green energy saving	IEEE 802.3az
Input Power Supply	DC:48-57V or (24-48V booster module) optional
Operating Temperature	-40°C ~ 75 °C
Storage Temperature	-40 °C ~ 80 °C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Surge Protection	Differential mode ±4KV Common mode ±6KV
MTBF	>100000 hour
Electrostatic standard	Contact 8KV,air 10KV

Software Specification

L2 Switch Features	(Link Aggregation)	GE Port Aggregaiton
		Static Aggregation
	(Port Features)	IEEE 802.3x flow control
		Interface counters
		Storm control
	(mac-address table management)	Static mac-address management
		Dynamic mac-address management
	VLAN	Port-based VLAN
	Mirror	Port mirror
	IEEE802.1w RSTP	STP
RSTP		
Major ring		
G.8032	Sub ring	
Security Features	ACL	Access control
	QoS	QoS Class, Remarking
		Support SP, WRR queue scheduling
		Ingress Port-based Rate-limit
		Egress Port-based Rate-limit
		Policy-based QoS
Management Features	SNMP	Supporting version(SNMPV2C)
	Web management	Web management
		Sopport HTTP V1.1
	Firmware Upgrade	Firmware Upgrade
	Telnet	Support Telnet Server
User management	support password protection	
PoE management	Global configuration	Power supply configuration
		Power management mode
	Port	Port maximum power supply configuration
		AF/AT handover
		Power Supply Priority Configuration
	display	Port PD class, status, power, current

Ordering information

Model	product information
PM3010GSMI V1	8-Port Gigabit+2G SFP +1Console Industrial ring network Managed PoE Switch(8-Port PoE,Support 802.3af/at Standard)