

## Product Overview



PM3018GSMC V1 is a Web Smart Managed PoE Switch independently developed by UNIPOE. It provides 16\*10/100/1000Mbps RJ45 ports and 2\*1000Mbps SFP slots. Each RJ45 port supports MDI/MDIX automatic rollover and wire-speed forwarding. Ports 1-16 have the PoE power supply function and comply with IEEE 802.3af/at standards. They can be used as Ethernet power supply devices to automatically detect and identify

compliant power receiving devices and supply power to them through network cables. The storage and forwarding technology and dynamic memory allocation ensure that bandwidth is effectively allocated to each port.

PM3018GSMC V1 is easy to use and can flexibly expand home and office networks without limitation of power line layout. It is easy to manage and maintain and meets the requirements of different scenarios

## Features

- IEEE 802.3at standard compliant IEEE 802.3af electrical receiving device (PD);
- Automatic detection and identification standard PoE power receiving devices, intelligent power supply, does not burn non-standard PoE power receiving devices or common devices;
- Port power supply priority is supported to ensure continuous power supply for key nodes on the network;
- Supports the PD-ALIVE function;
- Supports IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control;
- Supports 802.1Q VLAN, Port VLAN, QoS, bandwidth control, and storm suppression;
- Supports port traffic statistics, port monitoring, cable detection, and loopback protection;
- Fast PoE and permanent PoE are supported;
- Panel indicators monitor working status and assist in fault analysis;
- Intelligent identification of wire speed forwarding;
- Data exchange adopts store-and-forward mode;
- Operating temperature: 0°C ~ 40 °C;
- Mainboard, Power supply, PoE (three in one PCBA).

## Product Specifications

<b>Model</b>	PM3018GSMC V1	
<b>Interface</b>	16*10/100/1000Mbps RJ45 Ports 2*1000Mbps SFP Slots	
<b>Standard</b>	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	
<b>Network Media(Cable)</b>	10BASE-T: UTP category 3, 5 cable (≤100m) 100BASE-TX: UTP category 5, 5e cable (≤100m) 1000BASE-T: UTP category 5e, 6 cable(≤100m)	
<b>MAC Address Table</b>	8K, Auto-learning, Auto-aging	
<b>Jumbo Frame</b>	9K Byte	
<b>Packet Buffer</b>	4.1M bit	
<b>Transfer Mode</b>	Store-and-forward	
<b>Switching Capacity</b>	36Gbps	
<b>Packet Forward Speed</b>	26.78Mpps	
<b>PoE Port</b>	Port1~16	
<b>PoE Port Output</b>	Voltage: 55V DC    30W Max	
<b>RJ45 PoE Power Supply</b>	Mode A 1/2(+) 3/6(-)	
<b>PoE Power Budget</b>	250W	135W(Optional)
<b>Power Input</b>	260W	150W(Optional)
<b>Input Voltage</b>	AC 100-240V 50/60Hz	
<b>Operating Temperature</b>	0°C ~ 40 °C	
<b>Storage Temperature</b>	-40 °C ~70°C	
<b>Operating Humidity</b>	10% ~ 90% non-condensing	
<b>Storage Humidity</b>	5% ~ 90% non-condensing	
<b>Dimensions(L*W*H)</b>	440*207*44mm	
<b>Fan Quantity</b>	2	1
<b>Surge Protection</b>	Differential mode ±2KV , Common mode ±4KV	
<b>MTBF</b>	>50000 hour	
<b>Electrostatic Standard</b>	Contact ±6KV , Air ±8KV	

## Software Specification

Function menu	Functional description	Added
<b>Basic</b>	Login authentication and logout	
	Bilingual (Chinese-English Switching)	
	Port panel (dual color rate differentiator)	1000 m green 100 m / 10 m orange yellow
<b>System configuration</b>	Equipment information	Device name
		Device contact
		Location of equipment
	IP Address Setting	Static
		DHCP Client
		Support the DNS
	Web configuration	Web Timeout Setting
	User management	The password must contain at least six letters and digits
	The firmware update	Local upgrade
	Equipment management	Equipment to restart
Save Settings		
factory data reset		
<b>Monitoring management</b>	The port statistical	
	Cable testing	
	Ring network configuration	rlpp
<b>Switch Configuration</b>	Port configuration	Status
		Speed/Duplex/Flow Control
	Port mirror	Entrance/exit /ALL
	Port isolation	
	Static MAC	
	MAC filtering	
	MAC query	
	MAC list	Categories display static/dynamic
<b>VLAN configuration</b>	Member of the VLAN	
	VLAN configuration	Access, Trunk
<b>QOS configuration</b>	Port speed limit	
	The broadcast storm	
<b>PoE configuration</b>	The basic configuration	Enable/disable power supply
		Mandatory power supply
		Power limit
	PD Alive	
MCU Upgrade		

## Ordering Information

Model	Product Information
PM3018GSMC V1	16GE(PoE)+2SFP Gigabit Web Smart PoE Switch