

# SUNDRAY Gigabit POE switch

## Product Overview

Sundray SW-5008 Gigabit PoE switch is the component of enterprise WLAN solutions, with 8 gigabit PoE ports, can supply power for wireless AP by cable. Supporting 802.3af/802.3at power supply standards, max output power is 30 W, mainly applied in middle-size and big-size wireless Wi-Fi networking.



SUNDRAY Gigabit POE switch

## Product Features

- Supporting IEEE802.3at(30W) standard, and being compatible with IEEE802.3af (15.4W) powered device (PD)
- The powered device complying with the IEEE 802.3at and IEEE 802.3af standard can be automatically detected;
- Advanced self-sensing arithmetic only supplies power for the terminal equipment with IEEE 802.3af/at standard; it is not necessary to worry about the Non-POE equipment or POE equipment with private standard being damaged;
- Power supply priority of the port is supported; the constant power supply of the key network nodes is ensured;
- The longest transmission distance of the power supplied by the cable is 100 meters, which can flexibly extent the network and not be restricted by the electric-power line, and easily hung up the terminal equipment such as the wireless AP and the web cam on the wall or the ceiling

## Technical specifications

### SW-5008 Specification

<b>Specifications of the SUNDRAY Gigabit POE switch</b>	
Item	SW-5008 ( DUMP )
Fixed ports	Eight 10/100/1000M electrical ports (eight POE ports)
Standard of power supply	IEEE802.3af/at
Maximum output power of the single port	30W
Switch maximum POE output power	<b>150W</b>
POE power supply pin	1/2(+), 3/6(-); can be customized. 4/5(+),7/8(-)
Forwarding pattern	Storage forwarding with Full line rate
Forwarding rate	10M : 14880pps/port
	100M : 148809pps/port
	1000M : 1488095pps/port
Temperature for operating	—20~50°C
Storage temperature	—40~70°C
Working humidity	10%~90% non-condensing
Storage humidity	5%~95% non-condensing
Physical dimension	280 ( L)*180(W)*44(H)mm
Input power	AC : 90 ~ 264V/50 ~ 60Hz/150W
Weight	<2Kg
LED indicator	Power , Link/Act , POE Status
Energy Saving and Environmental Protection	complying with the international standard of the “EEE” environmental protection and energy conservation
Protocol/standard	IEEE 802.3 af, Ethernet power supply POE standard;
	IEEE 802.3 at, Ethernet power supply POE+ standard;
	IEEE 802.3 u, Fast Ethernet standard;
	IEEE 802.3 ab, Gigabit Ethernet standard;
	IEEE 802.3x, full-duplex Ethernet data link layer flow control;
	IEEE 802.3 az, EEE energy-efficient Ethernet standard;
MAC address	Support 8K MAC address table
	Automatically update and dual-way learning are supported;
Port flow control	Half-duplex -based back pressure control is supported;
	Full duplex-based PAUSE frame is supported;
Jumbo frames	Support 9216Byte at the maximum
Physical medium	10/100Base-TX : type 3/4/5 twisted pair, transmission distance ≤ 100M

	1000Base-T : type 5 twisted pair, transmission distance $\leq$ 100M
	1000Base-SX : wave length--850nm optical fiber, transmission distance $\leq$ 550M
	1000Base-LX : wave length--1310nm or 1550nm optical fiber, transmission distance $\leq$ 80M
Cable sequence	Auto-MDIX function is supported; the Straight-through cable and crossover cable can be automatically identified;
Negotiation mode	The function of the automatic negotiation is supported by the port (self-negotiated transmission rate and the duplex mode);

## Ordering information

SUNDRAY Gigabit POE switch		
Model	Specification	Remark
SW-5008	PoE switch with eight Gigabit electrical ports, supporting 802.3af/at	Essential



Sundray Technologies Co, Ltd.



Address: Building A1, i Park, No.1001 Xueyuan Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China Post.  
 Post Code: 518055

**Service hotline: +86-755-86725911**

Web: [www.sangfor.com](http://www.sangfor.com); [www.sundray.com](http://www.sundray.com) E-mail: [liaohaibo@sundray.com](mailto:liaohaibo@sundray.com)

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