SUNDRAY SI3200-10&24H-PWR

Product Overview

With full Gigabit and high performance characteristics, SUNDRAY SI3200-10H-PWR & SI3200-24H-PWR adopts the new generation switch chip and serves as one component of the entire SUNDRAY wireless solution; it can supply power for the wireless AP through cable, and provides single port up to 30W power, and fully satisfies the requirement of the new generation wireless AP, and establishes a safer, faster and value-added WLAN network for the enterprises.

Sundray L2 Management PoE Switch include:

➢ SI3200-10H-PWR provides 8 Gigabit electrical ports and 2 optical ports, the PoE switch supports 802.3 af/at. Maximum Power Output 120W.
➢ SI3200-24H-PWR provides 24 Gigabit electrical ports and 4 optical ports, the PoE switch supports 802.3 af/at. Maximum Power Output 370W.

SI3200-10H-PWR   SI3200-24H-PWR

Product Features

➢ Maximum supporting 15.4W output power/af with 8/24 ports or 30W output power/at with 4/12 ports;
➢ Supporting IEEE802.3at(30W) standard, and being compatible with IEEE802.3af (15.4W) powered device (PD)
➢ The traditional mode is broken; not only the data can be transferred, but also the electric power can be transmitted via the cable.
➢ 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.

Specification

SI3200-10/24H-PWR

Specifications		
Item	**SI3200-10H-PWR**	**SI3200-24H-PWR**
Fixed ports	8 10/100/1000M electrical ports (8 POE ports)	24 10/100/1000M electrical ports (24 POE ports)
	2 Gigabit SFP optical ports	4 Gigabit SFP optical ports（Combo）
Standard of power supply	IEEE802.3af/at	
Maximum output power of the single port	30W	30W
Switch maximum POE output power	120W	370W
POE power supply pin	1/2(+)，3/6(-);	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℃	
Temperature for storage	-40~70℃	
Working humidity	10%～90%(no condensation)	
Storage humidity	5%～90%(no condensation)	
Weight	<2Kg	<5Kg
Input power	AC：90-264V～50-60Hz/450W	

Physical dimension(L×W×H)	440mm*285mm*44.5mm	440mm×285mm×44.5mm
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 802.3af，Ethernet power supply POE standard;	
	IEEE 802.3at，Ethernet power supply POE+ standard;	
	IEEE 802.3u，Fast Ethernet standard;	
	IEEE 802.3ab，Gigabit Ethernet standard;	
	IEEE 802.3z，Gigabit Ethernet fiber-optical standard;	
	IEEE 802.3ad，link aggregation protocol;	
	IEEE 802.3x，full-duplex Ethernet data link layer flow control;	
	IEEE 802.3az，EEE energy-efficient Ethernet standard;	
	IEEE 802.1q，VLAN standard；	
	IEEE 802.1p，QoS/CoS quality of service;	
	IEEE 802.1d，STP spanning tree protocol;	
	IEEE 802.1w，RSTP fast spanning tree protocol;	
MAC address	Support 16K MAC address table	
	Automatically update and dual-way learning are supported;	
VLAN	The maximum number of the supported VLAN is 4096;	
	The VLAN based on port is supported;	
	The 802.1Q standard VLAN is supported	
Spanning tree	STP spanning tree protocol is supported;	
	RSTP fast spanning tree protocol is supported;	
Port aggregation	The aggregation of eight groups is supported; up to four ports can be supported by each group;	
Port mirroring	Bidirectional transceiver Port mirroring is supported	

Loop circuit protection	The functions of loop circuit protection, real-time monitoring, promptly alarming, accurate positioning, intelligent blocking and automatic recovery are supported;
Port isolation	Supporting the isolation of the downstream ports, meanwhile supporting the communication with the upstream ports ;
Port flow control	Half-duplex -based back pressure control is supported;
	Full duplex-based PAUSE frame is supported;
Port-rate limiting	Input/output bandwidth management based on the port is supported;
Jumbo frames	Support 9216Byte at the maximum
Multicast control	Supporting the IGMP SNOOPING
Storm restrain	All ports support the broadcast storm restrain based on the packet forwarding rate;
Security features	MAC binding of the port is supported;
	The security limit of the number of the MAC addresses based on the port is supported;
QOS	SP（Strict Priority）, strict priority round robin algorithm;
	WFQ (Weighted Fair Queuing) weighted fair queuing;
	WRR (Weighted Round Robin), weighted priority round robin algorithm;
	802.1p port queue priority algorithm
	Differentiated Service;
Physical medium	10Base-T： EIA/TIA-568 standard (≤ 100M)for the unshielded twisted pair of the second, third, fourth and fifth type;
	100Base-TX： EIA/TIA-568 standard (≤ 100M)for the unshielded twisted pairs of the second, fourth and fifth type;
	1000Base-T： EIA/TIA-568 standard (≤ 100M)for the unshielded twisted pairs of four, fifth type(type 6 is recommended);
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);

PHY detection	Detecting the connectivity of the cable is supported;
System Maintenance	Uploading/loading configured files is supported;
	Uploading the upgrade package is supported;
	Support WEB factory reset
	The recovery of the factory configuration by port short circuit is supported;
Network management	The WEB interface management is supported;

Ordering Information

SUNDRAY Gigabit POE switch		
Model	Specification	Remarks
SI3200-10H-PWR	8 Gigabit electrical ports and 2 optical ports, the PoE switch supports 802.3 af/at.	Essential
SI3200-24H-PWR	24 Gigabit electrical ports and 4 optical ports, the PoE switch supports 802.3 af/at.	Essential
OM-SFP-Gigabit-Multimode	Multimode fiber optical modules of the Gigabit SFP is 550m;	Optional
OM-SFP-Gigabit-Single-mode-10	Single-mode fiber optical module of the Gigabit SFP is 10 km;	Optional
OM-SFP-Gigabit-Single-mode-20	Single-mode fiber optical module of the Gigabit SFP is 20 km;	Optional
OM-SFP-Gigabit-Single-mode-40	Single-mode fiber optical module of the Gigabit SFP is 40 km;	Optional
OM-SFP-Gigabit-Single-mode-80	Single-mode fiber optical module of the Gigabit SFP is 80 km;	Optional
O/E-SFP	Photoelectric conversion module of the Gigabit SFP;	Optional

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