Todaair
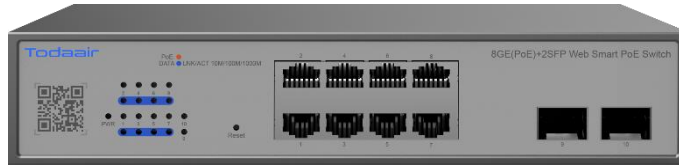
Product Specification

TD-SW8G-2F V2.2

Date: 24th/Feb/2023

Product Overview

TD-SW8G-2F V2.2 is a Web Smart Managed Gigabit PoE Switch independently developed by Todaair, which is supports App online management. It provides 8*10/100/1000Mbps adaptive RJ45 ports and 2*1000Mbps SFP slots. Each RJ45 port supports MDI/MDIX automatic rollover and wire-speed forwarding. Ports 1-8 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.

The TD-SW8G-2F V2.2 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);
- Single PSE port output power up to 30W;
- 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 IEEE802.3x full-duplex flow control and back-pressure 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;
- 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;
- Supports the PD-ALIVE function(Optional);
- Main-board, Power supply, PoE (three in one PCBA).

Product Specification

Model	TD-SW8G-2F V2.2
Interface	8*10/100/1000Mbps RJ45 Ports 2*1000Mbps SFP Slots
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
PoE Standard	IEEE802.3af/at
PoE Port	Port 1~8
PoE Single Port Output	MAX.30W
Input Voltage	AC :100-240V 50/60Hz
PoE Total Power	120W
Power Total Power	130W
RJ45 PoE Power Supply	Mode A 1/2（+）3/6（-）
Transfer Mode	Store-and-forward
Switching Capacity	20Gbps
MAC Address Table	8K, Auto-learning, Auto-aging
Jumbo Frame	9216Byte
Packet Buffer	4.1M bit
Packet Forward Speed	14.88Mpps
Operating Temperature	0℃~40℃
Storage Temperature	-40℃~70℃
Operating Humidity	10% ~ 90% RH (non-condensed)
Storage Humidity	5% ~ 90% RH (non-condensed)
Dimensions (L*W*H)	220*150*44mm
Fan Quantity	1
Overall Weight	<1Kg
Network Media(Cable)	10BASE-T：UTP category 3、4、5 cable（≤100m） 100BASE-TX：UTP category 5,5e cable（≤100m） 1000BASE-T：UTP category 5e, 6 cable（≤100m）
Surge Protection	Differential Mode ±2KV ，Common Mode ±4KV
MTBF	>50000 Hours
Electrostatic Standard	Contact ±6KV , Air ±8KV

Software Specification

Function Menu	Functional Description	Added
Basic	Login Authentication and Logout	
	Bilingual (Chinese-English Switching)	
	Port Panel (Dual Color Rate Differentiator)	1000M Green
		100M / 10M Orange Yellow
System Configuration	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
Monitoring Management	The Port Statistical	
	Cable Testing	
	Ring Network Configuration	rlpp
Switch Configuration	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
VLAN Configuration	Member of the VLAN	
	VLAN Configuration	Access、Trunk
QOS Configuration	Port Speed Limit	
	The Broadcast Storm	
PoE Configuration	The Basic Configuration	Enable/Disable Power Supply
		Mandatory Power Supply
		Power Limit
	PD Alive	

	MCU Upgrade	
ONVIF	ONVIF Detection	Support

Todaair

Todaair APP