



## **Data Sheet HTPS5800-16G2GC**

## **L2+ Managed POE Switch 16\*10/100/1000 + 2\* Gigabit Combo SFP Uplink ports**

### **Product Appearance:**



HTPS5800-16G-2GC has 18 ports full Gigabit enterprise class multi-functional PoE network L2 management switch independently developed by HTN. It is specially designed for enterprise customers to optimize and enhance the design and has higher reliability. Port 1-16 supports PoE power supply of IEEE802.3af/at standard. As PoE power supply equipment, it can automatically detect and identify the power receiving equipment that meets the standard and supply power to it through network cable. The device adopts Realtek new generation high-performance platform and HTN new self-developed switch system, supports flexible 802.1Q VLAN, IGMP, port monitoring, port aggregation, bandwidth control, ring application and other network management functions, and easily adapts to the current complex network application environment.

### **Port performance**

- Provide 16\*10/100/1000M RJ45 adaptive PoE ports, all of which can realize line speed forwarding.
- Provide 2 Gigabit RJ45 network ports+2 Gigabit SFP photoelectric multiplexing uplink ports for high-speed uplink transmission
- It supports the combination of multiple types of ports to facilitate users' flexible networking and meet the networking requirements of various scenarios;
- Each port supports MDI / mdix automatic flip and duplex / rate self-negotiation.
- Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.

### **PoE Power Supply Function**

- Comply with IEEE 802.3af/at power supply standard, the maximum PoE output power of the whole power is 300W, and the maximum PoE output power of single port is 30W.
- Automatic identification of PoE equipment for power supply without damaging non PoE equipment.
- The PoE port supports the priority mechanism. When the residual power is insufficient, the power supply of the high priority port is given priority to avoid the overload of the equipment.

### **Strong business processing capability**

- Add a variety of new applications based on IPv6 to easily adapt to modern complex network management applications
- Support IEEE 802.1Q VLAN, users can flexibly divide VLAN according to their needs.
- Support voice VLAN, configure QoS parameters for voice data stream, improve the transmission priority of voice data stream and ensure the quality of communication.
- Support QoS, port based, 802.1p based and DSCP based priority modes to optimize bandwidth configuration.
- Supporting ACL, filtering data packets by configuring matching rules, processing operations and time permissions, and providing

flexible security access control policies.

- Support IGMP V1 / V2 multicast protocol and IGMP snooping to meet the requirements of multi terminal HD video monitoring and video conference access.
- Support multicast VLAN and multicast filtering transmit data efficiently, save network bandwidth and reduce network load.
- Support port monitoring, copy a packet of the monitored port to the monitoring port to realize network monitoring.
- Support the management and maintenance of equipment through web interface.
- Support port convergence, effectively increase link bandwidth, realize link backup and improve link reliability.

### **Security Protection**

- Support STP / RSTP / MSTP spanning tree protocol, eliminate layer-2 loop and realize link backup.
- Support the spanning tree security function to prevent the devices in the spanning tree network from various forms of malicious attacks.
- Support static aggregation and dynamic aggregation, effectively increase link bandwidth, realize load balancing and link backup, and improve link reliability.

### **Easy Operation And Maintenance**

Support web network management, CLI command line (console, telnet), SNMP (V1 / V2 / V3) and other diversified management and maintenance methods.

Support the encryption methods such as HTTPS, SSL V3, tlsv1, sshv1 / V2, and make the management more secure.

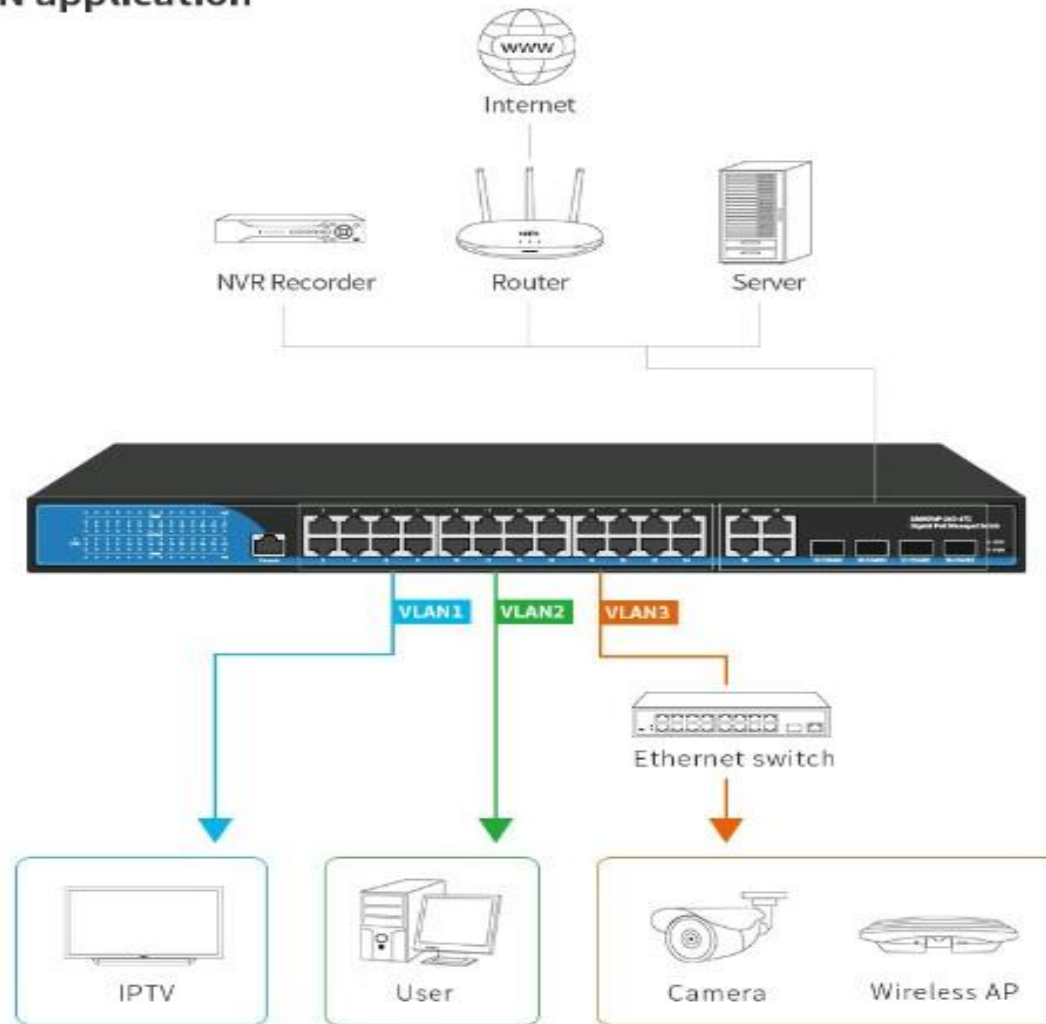
Support RMON, system log, port traffic statistics, facilitate network optimization and transformation.

The user can know the working status of the switch through the power indicator (PWR), port status indicator and system status indicator (sys).

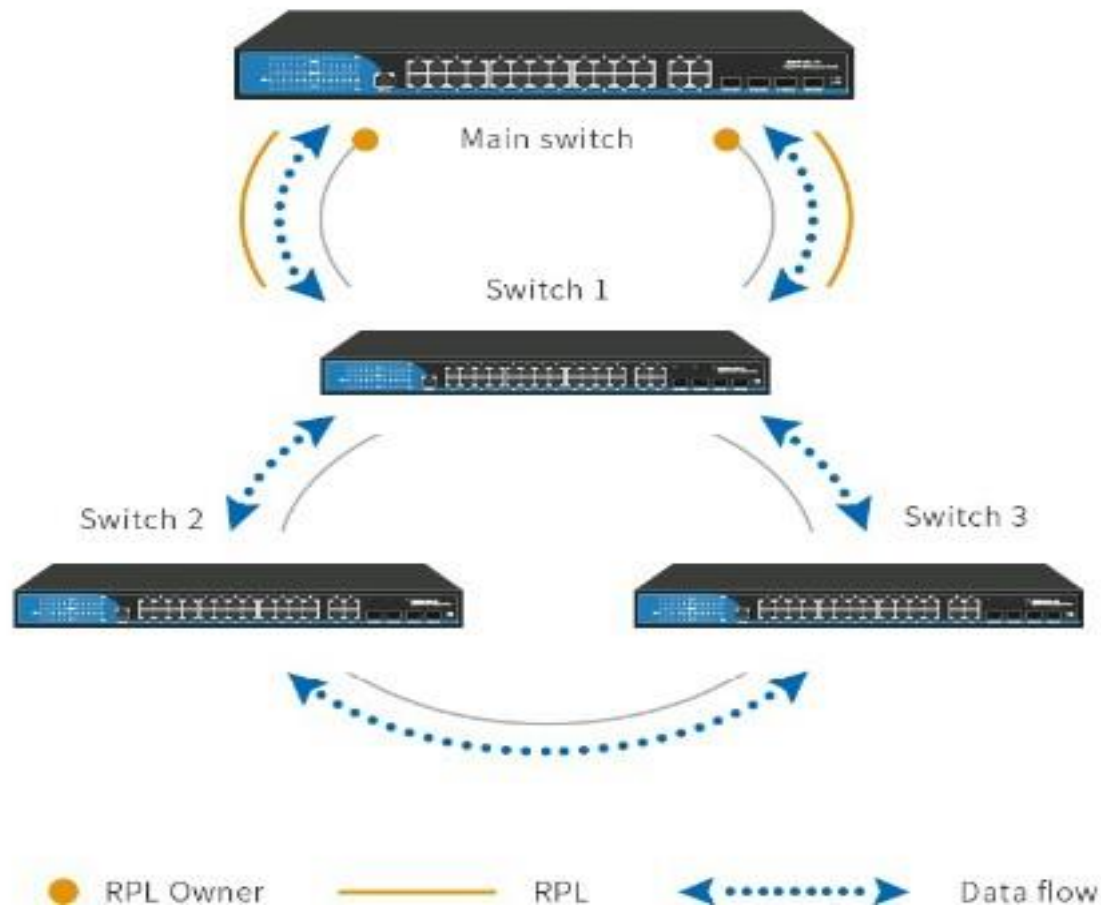




## 1.VLAN application

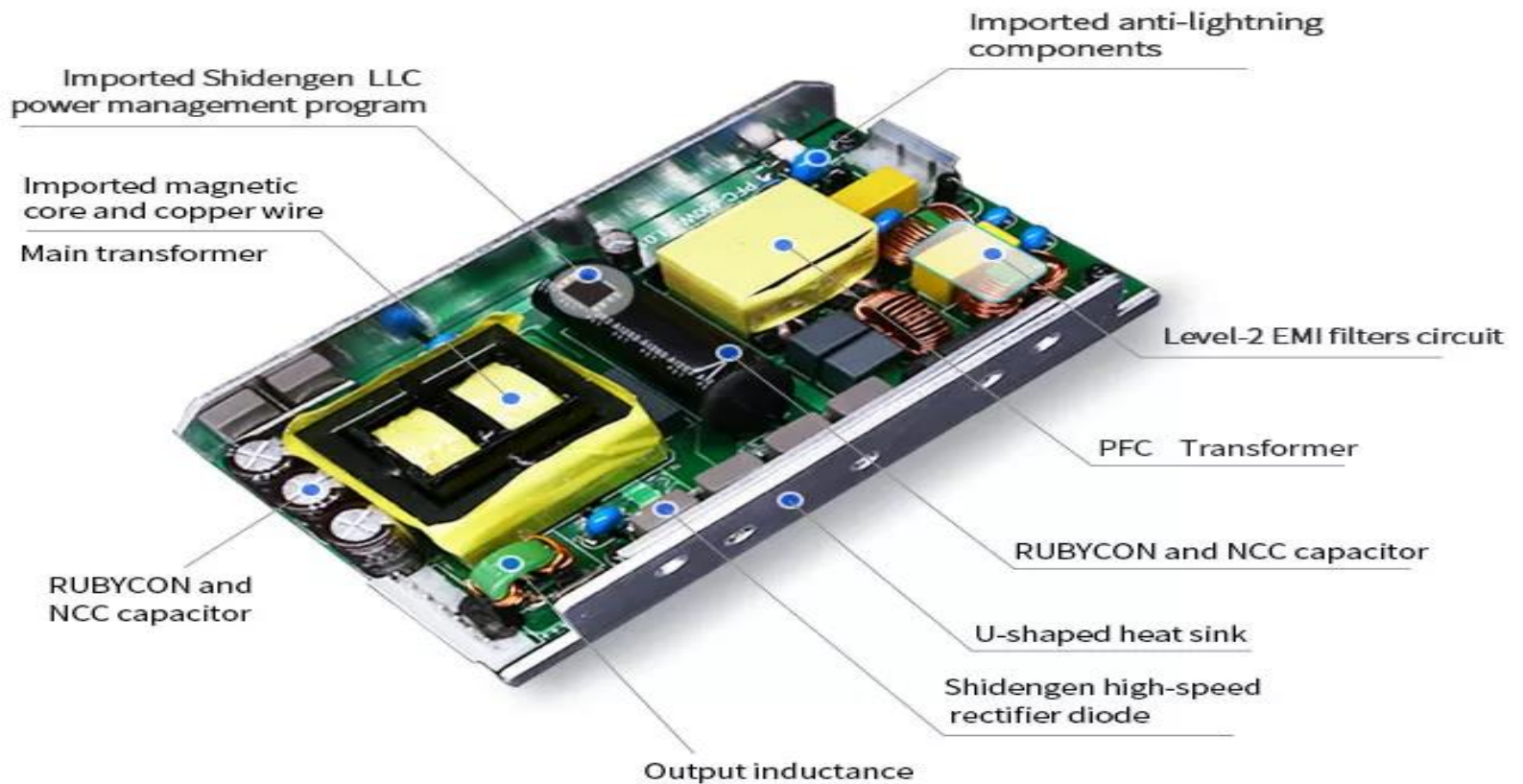


## 2. Loop network application



# ADVANTAGES

## 400W High-quality Power





<b>Model</b>	<b>HTPS5800-16G2GC</b>	
Fixed port	16* 10/100/1000M POE electrical ports 2* Gigabit Combo SFP ports 1* Console Port	
Reset button	1	
Exchange capacity	56/128G	
Packet forwarding rate	40.32Mpps	
Operating temperature	-10~50°C	
storage temperature	-40~70°C	
Working humidity	10% to 90% non-condensing	
Storage humidity	5% to 95% non-condensing	
physical dimension	295mm*195mm*45mm	
Total Weight	1.7kg/2.4kg	
Input voltage	Built-in power AC 100~240V 50/60HZ	
Power consumption Watts	300W	
Certificate	CE mark, Commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS	

## Solution Diagram:

