

8-Port Gigabit + 2-Port Gigabit SFP L2 Managed High Power PoE Switch

FR-S3110GS-242HP1



Characteristics

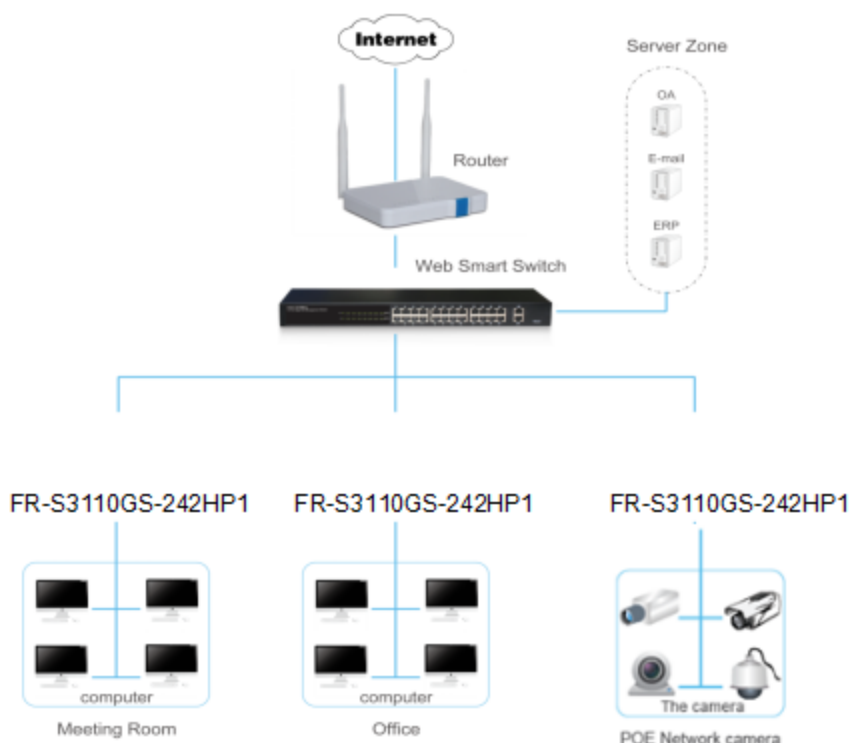
- 8-Port Gigabit +2*1000Mbps SFP ports
- PoE(1-6) Port up to 30W ,7&8 Port up to 90W and total power 242W
- Adopt the store - forwarding mode
- Switching Capacity 20G
- Support PoE management
- Comply with IEEE802.3bt ,IEEE802.3 at , IEEE802.3af Standard

Description

FR-S3110GS-242HP1 is a new generation designed for high security and high performance network the second layer switch. Provides eight 10/100/1000Mbps self-adaption RJ45 port, and two 100/1000Mbps SFP optical ports, all ports support wire-speed forwarding, can provide you with larger network flexibility. Support VLAN ACL based on port, easily implement network monitoring, traffic regulation, priority tag and traffic control. Support traditional STP/RSTP/MSTP 2 link protection technology; greatly improve the ability of fault tolerance, redundancy backup to ensure the stable operation of the network. Support ACL control based on the time, easy control the access time accurately. Support 802.1x authentication based on the port and MAC, easily set user access. Perfect QOS strategy and plenty of VLAN function, easy to maintenance and management, meet the networking and access requirements of small and medium-sized enterprises, intelligent village, hotel, office network and campus network.

FR-S3110GS-242HP1 8 ports have PoE power supply function, support IEEE802.3bt,IEEE802.3af standard and comply with 802.3af , power supply equipment for Ethernet,It can automatically to identification electrical equipment, and through the cable for the power supply.

The application of topology



I Features

- Comply with IEEE 802.3i, IEEE 802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.1q, IEEE802.1p standards
- Supports IEEE802.3af, IEEE802.3at, IEEE802.3bt standards
- 1-6 Port up to 30W, 7&8 Port up to 90W and total power 242W
- Supports manage the PoE port, support PoE power off open the port, and port output power restriction
- Support Web interface management
- 8 x 10/100/1000Mbps Auto MDI/MDI-X Ethernet port, Support ports Auto MDI/MDIX
- 8K entry MAC address table of the switch with auto-learning and auto-aging
- Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- supports QoS (quality of service), port mirror, Link aggregation protocol
- Support packet length 9216Bytes jumbo frame packet forwarding at wire speed
- LED indicators for monitoring PSE, Link / Activity/Speed

I Hardware Specification

Model Name	FR-S3110GS-242HP1	
Chipset	RTL8380M+2*RTL8231 (PoE: PD69200C+PD69208M+PD69204T4)	
Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z, IEEE 802.3at, IEEE 802.3af, IEEE 802.3bt, IEEE 802.1q, IEEE 802.1p	
Interface	8 x 10/100/1000Mbps Auto-Negotiation ports 2 x 100/1000Mbps SFP ports 1x Console port	
Network Media	10Base-T: UTP category 3, 4, 5 cable (maximum 100m) 100Base-Tx: UTP category 5, 5e cable (maximum 100m) 1000Base-T: UTP category 5e, 6 cable (maximum 100m) 1000Base-SX: 62.5µm/50µm MMF(2m~550m) 1000Base-LX: 62.5µm/50µm MMF(2m~550m) Or 10µm SMF (2m~5000m)	
Transfer Method	Store-and-Forward	
MAC Address Table	8K	
Switching Capacity	20Gbps	
Packet Forwarding Rate	14.88Mpps	
Packet Buffer	4.1Mbit	
Jumbo Frame	9216Bytes	
PoE Ports(RJ45)	8 ports comply with 802.3at/af standard and 7,8 port comply with IEEE802.3bt too.	
Power Pin Assignment	30W port: 1/2(-), 3/6(+); 90W port: 1/2/7/8(-), 3/6/4/5(+)	
PoE Budget	242W	
Indicators	Per Device	Power, System
	Per Port	Link/Act, PoE
Power Supply	100~240VAC, 50/60HZ	
Power Consumption	Maximum(PoE on): W (220V/50Hz)	
Dimensions (W x D x H)	280*180*44.3 mm	
Environment	Operating Temperature: 0°C~45°C Storage Temperature: -40°C~70°C Operating Humidity: 10%~90% non-condensing Storage humidity: 5%~90% non-condensing	

Software Specification

<p>Basic function</p> <ul style="list-style-type: none"> ● Ethernet Setup ● STP/RSTP/MSTP ● Storm-control ● Port Monitor ● Port rate-limit ● MAC filtering 	<p>Three layers of functional</p> <ul style="list-style-type: none"> ● The ARP deception, the network cheating ● Filtering the IP port ● Static binding IP and MAC ● Arp trust port ● Static routing capacity ● Ping and Traceroute 	<p>The security policy</p> <ul style="list-style-type: none"> ● ACE capacity ● ACL ● QoS ● DAI
<p>VLAN</p> <ul style="list-style-type: none"> ● Port based VLAN ● 802.1Q VLAN 	<p>Safety features</p> <ul style="list-style-type: none"> ● Radius ● Tacacs+ ● Preventing DOS attacks ● dot1x ● The gateway ARP deception 	<p>Application protocol</p> <ul style="list-style-type: none"> ● DHCP Relay ● DHCP snooping ● DHCP Client ● FTP/TFTP
<p>Management</p> <ul style="list-style-type: none"> ● HTTP WEB ● Telnet ● SSH ● Console 	<p>Other function</p> <ul style="list-style-type: none"> ● LLDP ● IGMP Snooping ● SNMPV1,V2c,V3 ● RMON (1,2,3,9) 	<p>PoE Management</p> <ul style="list-style-type: none"> ● PoE Status ● Power supply management mode(auto/energy/static) ● The port priority