

## 8-Port Gigabit + 2-Port Gigabit SFP L2 Managed PoE Switch FR-S3010PEGMF-H



### Characteristics

- Intelligent identification
- High performance, durable stability
- Adopt the store - forwarding mode
- Auto MDI/MDIX
- Support web interface management
- Switching Capacity up to 20Gb
- Supports PoE power up to 30W for each PoE port, total power up to 140W for all PoE ports

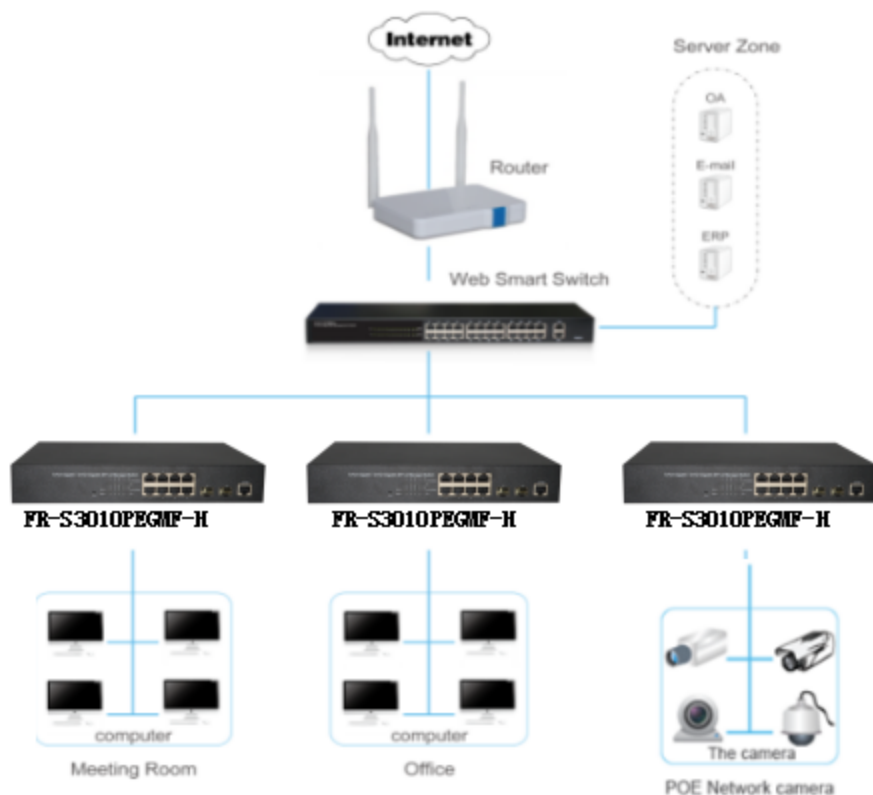
### Description

FR-S3010PEGMF-H 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 ports, all ports support wire-speed forwarding, can provide you with larger network flexibility. All ports support Auto MDI/MDIX function. The Switch with a low-cost, easy-to-use, high performance upgrade your old network to a 1000Mbps Gigabit network.

FR-S3010PEGMF-H 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-S3010PEGMF-H all UTP ports support PoE power supply function, support IEEE802.3at standard, 802.3af downward compatibility, power supply equipment for Ethernet, can automatically detect identification standard of electrical equipment, and through the cable for the power supply.

### Application topology



## 8-Port Gigabit + 2-Port Gigabit SFP L2 Managed PoE Switch FR-S3010PEGMF-H

### Features

- Comply with 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z, IEEE802.1Q, IEEE802.1p, IEEE802.3af, IEEE802.3at
- Supports PoE power up to 30W for each PoE port, total power up to 140W for all PoE ports
- 8 x 10/100/1000Mbps Auto MDI/MDI-X Ethernet port
- 2 x 100/1000Mbps SFP port
- 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
- Support Web interface management
- supports QoS (quality of service), port mirror, Link aggregation protocol
- LED indicators for monitoring Power, System, link/activity, PoE

### Hardware Specification

<b>Model Name</b>		FR-S3010PEGMF-H
<b>Chipset</b>		RTL8380M+RTL8231+IP808
<b>Standards and Protocols</b>		IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3z, IEEE802.1Q, IEEE802.1p, IEEE802.3af, IEEE802.3at
<b>Interface</b>		8 x 10/100/1000Mbps Auto-Negotiation ports 2 x100/1000Mbps SFP port 1 xConsole port
<b>Network Media</b>		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)
<b>Transfer Method</b>		Store-and-Forward
<b>MAC Address Table</b>		8K
<b>Switching Capacity</b>		20Gbps
<b>Packet Forwarding Rate</b>		14.88Mbps
<b>Packet Buffer</b>		4.1Mbit
<b>Jumbo Frame</b>		10KByte
<b>PoE Ports(RJ45)</b>		8* PoE ports compliant with 802.3at/af
<b>Power Pin Assignment</b>		1/2(+),3/6(-)
<b>PoE Budget</b>		140W
<b>Indicators</b>	<b>Per Device</b>	Power: Green, System: Green
	<b>Per Port</b>	Link/Act/Speed: Green(1000Mbps)/Orange(100/10Mbps). PoE: Orange
<b>Power Consumption</b>		Maximum: 160W(220V/50Hz)
<b>Dimensions (L×W×H)</b>		280*180*44mm
<b>Environment</b>		Operating Temperature: 0°C~45°C Storage Temperature: -40°C~70°C Operating Humidity: 5%~95% non-condensing Storage humidity: 5%~95% non-condensing

## Software Specification

<p><b>Basic function</b></p> <ul style="list-style-type: none"> <li>● Ethernet Setup</li> <li>● STP/RSTP/MSTP</li> <li>● Storm-control</li> <li>● Port Monitor</li> <li>● Port rate-limit</li> <li>● MAC filtering</li> <li>● Link Aggregation(static \ LACP)</li> <li>● Jumbo Frame</li> <li>● Port security</li> <li>● Bandwidth Control</li> </ul>	<p><b>Three layers of functional</b></p> <ul style="list-style-type: none"> <li>● The ARP deception, the network cheating</li> <li>● Filtering the IP port</li> <li>● Static binding IP and MAC</li> <li>● Arp trust port</li> <li>● Static routing capacity</li> <li>● Ping and Traceroute</li> </ul>	<p><b>The security policy</b></p> <ul style="list-style-type: none"> <li>● ACE capacity</li> <li>● ACL</li> <li>● QoS</li> <li>● DAI</li> </ul>
<p><b>VLAN</b></p> <ul style="list-style-type: none"> <li>● Port based VLAN, Private VLAN</li> <li>● MAC based VLAN</li> <li>● Voice VLAN</li> <li>● Gvrp</li> <li>● 802.1Q VLAN</li> </ul>	<p><b>Safety features</b></p> <ul style="list-style-type: none"> <li>● Radius</li> <li>● Tacacs+</li> <li>● Preventing DOS attacks</li> <li>● dot1x</li> <li>● The gateway ARP deception</li> </ul>	<p><b>Application protocol</b></p> <ul style="list-style-type: none"> <li>● DHCP Relay</li> <li>● DHCP snooping</li> <li>● DHCP Client</li> <li>● FTP/TFTP</li> </ul>
<p><b>Management</b></p> <ul style="list-style-type: none"> <li>● HTTP WEB</li> <li>● Telnet</li> <li>● SSH</li> <li>● Console</li> </ul>	<p><b>Other function</b></p> <ul style="list-style-type: none"> <li>● LLDP</li> <li>● IGMP Snooping</li> <li>● SNMPV1,V2c,V3</li> <li>● RMON (1,2,3,9)</li> <li>● Virtual stack</li> </ul>	<p><b>POE Management</b></p> <ul style="list-style-type: none"> <li>● POE Status</li> <li>● Poe open/Poe close</li> <li>● The port priority</li> </ul>