

## 16-Port 10/100Mbps + 2-Port Gigabit Combo Base-T/SFP L2 Managed PoE Switch

### FR-S3118MC-240P2

### Characteristics

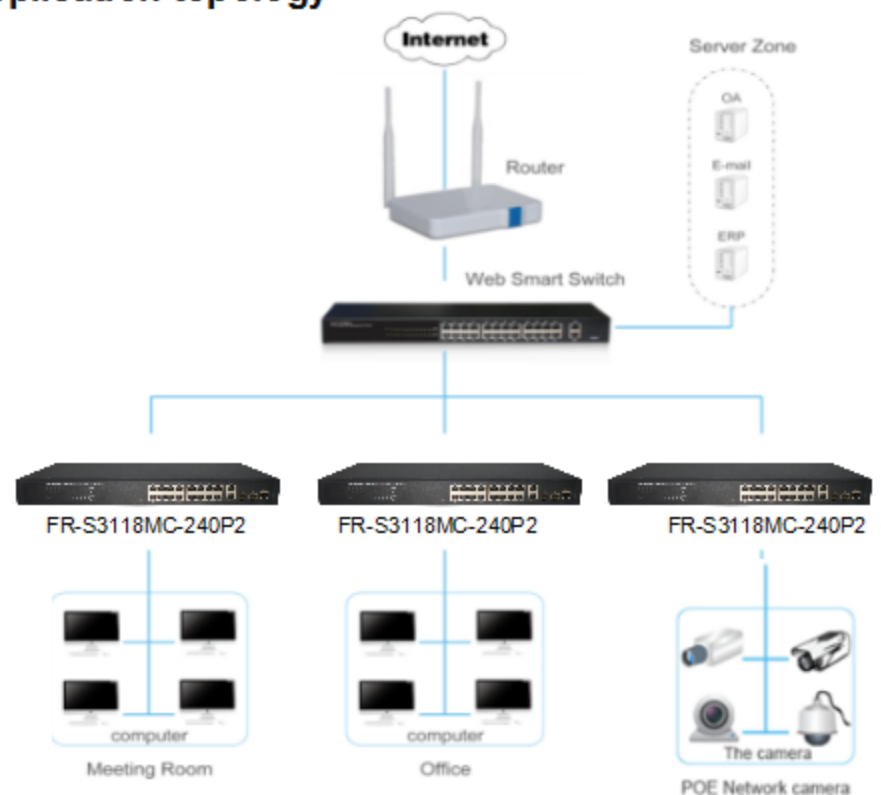
- Wire-speed forwarding, intelligent recognition
- High performance, durable stability
- Auto MDI/MDIX
- Support web interface management
- Complied with IEEE802.3at backward compatibility IEEE802.3af
- Supports PoE power up to 30W for each PoE port, total power up to 240W for all PoE ports

### Description

FR-S3118MC-240P2 is a 16-Port 10/100Mbps + 2-Port Gigabit Combo Base-T/SFP L2 Managed PoE Switch, Provides 16 x Ethernet ports compatible with 10/100Mbps, IEEE802.3af and IEEE802.3at, plus two Gigabit Combo port. all ports support wire-speed forwarding, can provide you with larger network flexibility. The Switch with a low-cost, easy-to-use, high performance upgrade your old network to a 1000Mbps Gigabit network. 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-S3118MC-240P2 16 ports have 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



## 16-Port 10/100Mbps + 2-Port Gigabit Combo Base-T/SFP L2 Managed PoE Switch

FR-S3118MC-240P2

### Features

- Comply with IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3x, IEEE802.3ad, IEEE802.1P, IEEE802.Q, IEEE802.3af, IEEE802.3at
- Supports PoE power up to 30W for each PoE port, total power up to 240W for all PoE ports
- 16 x 10/100Mbps RJ45 port, Support PoE power supply, compatible with IEEE 802.3af/at standards, 2 x 1000Mbps Combo port
- Supports IEEE802.3x flow control for Full-duplex and backpressure for Half-duplex
- Support Web interface management
- Supports QoS (quality of service), port mirror, Link aggregation protocol
- Support 8K MAC Address Table & MAC address learning
- LED indicators for monitoring Power, System, link/activity, PoE

### Hardware Specification

|                                |                                                                                                                                                                                                                                                                          |                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Model Name</b>              | FR-S3118MC-240P2                                                                                                                                                                                                                                                         |                                                                    |
| <b>Chipset</b>                 | RTL8332M+RTL8208L+RTL8214FC+2*IP808AR                                                                                                                                                                                                                                    |                                                                    |
| <b>Standards and Protocols</b> | IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3x, IEEE 802.3z, IEEE802.3ad, IEEE802.1P, IEEE802.Q, IEEE802.3af, IEEE802.3at                                                                                                                                            |                                                                    |
| <b>Interface</b>               | 16 x 10/100Mbps Auto-Negotiation ports<br>2 x Gigabit Combo port<br>1 x Console port                                                                                                                                                                                     |                                                                    |
| <b>Network Media</b>           | 10BASE-T: UTP category 3,4,5 cable (maximum 100m)<br>100BASE-Tx: UTP category 5,5e cable (maximum 100m)<br>1000BASE-T: UTP category 5e,6 cable (maximum 100m)<br>1000Base-SX: 62.5µm/50µm MMF (2m~550m)<br>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>      | 7.2Gbps                                                                                                                                                                                                                                                                  |                                                                    |
| <b>Packet Forwarding Rate</b>  | 5.36Mbps                                                                                                                                                                                                                                                                 |                                                                    |
| <b>Packet Buffer</b>           | 4.1Mbit                                                                                                                                                                                                                                                                  |                                                                    |
| <b>Jumbo Frame</b>             | 9KByte                                                                                                                                                                                                                                                                   |                                                                    |
| <b>PoE Ports(RJ45)</b>         | 16* PoE ports compliant with 802.3at/af                                                                                                                                                                                                                                  |                                                                    |
| <b>Power Pin Assignment</b>    | 1/2(+), 3/6(-)                                                                                                                                                                                                                                                           |                                                                    |
| <b>PoE Budget</b>              | 240W                                                                                                                                                                                                                                                                     |                                                                    |
| <b>Indicators</b>              | <b>Per Device</b>                                                                                                                                                                                                                                                        | Power: Green, System: Green                                        |
|                                | <b>Per Port</b>                                                                                                                                                                                                                                                          | Link/Act/Speed: Green(1000Mbps)/Orange(100/10Mbps).<br>PoE: Orange |
| <b>Power Supply</b>            | AC 100V~240V/50-60Hz 250W internal power                                                                                                                                                                                                                                 |                                                                    |
| <b>Power Consumption</b>       | Maximum: 272W(220V/50Hz)                                                                                                                                                                                                                                                 |                                                                    |
| <b>Dimensions (L×W×H)</b>      | 440*208*44mm                                                                                                                                                                                                                                                             |                                                                    |
| <b>Environment</b>             | Operating Temperature: 0°C~45°C<br>Storage Temperature: -40°C~70°C<br>Operating Humidity: 5%~95% non-condensing<br>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>● 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> </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> </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>                |