

8-Port Gigabit + 2-Port Gigabit SFP L2 Managed Industrial PoE Switch FR-IS3010PEGMF-C



Characteristics

- Wire-speed forwarding, intelligent recognition
- Compatible with IEEE802.3af/at standard, Each PoE port power up to 30W
- External dual redundant DC48~57V wide range power input
- -40~85 °C Working temperature
- IP30 protection class , all metal chassis design, support rail installation
- Power off alarm(1 way relay output, current load capacity 1A @ 24VDC)

Description

FR-IS3010PEGMF-C is a 8-Ports gigabit + 2-Port Gigabit SFP L2 managed industrial PoE switch, Provides 8 x Ethernet ports compatible with 10/100/1000Mbps, IEEE802.3af and IEEE802.3at, plus two Gigabit SFP optical port, Each PoE ports can provide power up to 30W. Using store and forward technology, combined with dynamic memory allocation, to ensure that the bandwidth is allocated efficiently to each port. Support a variety of management functions, including STP/RSTP, Trunking, LACP, IGMP, VLAN, QoS, RMON, PoE power management, PoE device automatic detection, PoE power supply scheduling, bandwidth management and port mirroring function. This product is designed for harsh industrial environment, external dual redundant DC48~57V wide range power input; IP30 protection grade metal chassis design, support rail installation; port surge protection up to 6KV; the working temperature range of -40~85 °C, can meet the special needs of industrial automation control.

Application of topology



8-Port Gigabit + 2-Port Gigabit SFP L2 Managed Industrial PoE Switch

FR-IS3010PEGMF-C

Features

- Comply with IEEE802.3i, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at standards
- Eight 10/100/1000Mbps RJ45 port, Support PoE power supply, compatible with IEEE 802.3af/at standards
- Two 1000Mbps SFP optical port
- Support 8K MAC Address Table & MAC address learning
- Support IGMP Snooping protocol
- Support for broadcast storm suppression
- External dual redundant DC48~57V wide range power input
- Power off alarm(1 way relay output, current load capacity 1A @ 24VDC)
- IP30 protection class , all metal chassis design, support rail installation

Hardware specifications

Model	FR-IS3010PEGMF-C	
Chipset	RTL8380MI+PD69208+PD69200	
Standards	IEEE802.3i, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at, IEEE802.3az, IEEE802.1D, IEEE802.1Q, IEEE802.1P, IEEE802.3ad, IEEE802.1s, IEEE802.1w	
Interface	8 *10/100/1000Mbps RJ45 ports (Auto Negotiatin/Auto MDI/MDIX) 2 *1000Mbps SFP optical Port 1 * Console port 1*Plug and plug 6 pin terminal	
Network Media	10BASE-T: UTP category 3,4,5 cable (maximum 100m) 100BASE-TX/1000BASE-T: UTP category 5, 5e or above cable (maximum 100m) SFP 1000BASE-X: MMF,SMF	
Transfer Method	Store-and-Forward	
Mac Address Table	8K	
Switching Capacity	20Gbps	
Packet Forwarding Rate	14.88Mpps	
Packet Buffer	4.1Mbit	
Jumbo Frame	9KBytes	
PoE Ports(RJ45)	8* PoE ports compliant with 802.3at/af	
Power Pin Assignment	1/2(+),3/6(-)	
PoE Budget	240W	
Indicators	Per Device	PWR1,PWR2,System Power
	Per Port	Link/Activity, PoE(RJ45 port) Link/Activity (SFP port)
Power Supply	DC:48~57V dual redundant input (It is recommended that the PoE+ output is greater than 50V)	
Power Consumption	Maximum: 250W (Full load on all PoE ports)	
Dimensions (W x D x H)	175*140*55mm	
Environment	Operating Temperature: -40℃~85℃ Storage Temperature: -40℃~85℃ Operating Humidity: 5%~95% RH non-condensing Storage humidity: 5%~95% RH non-condensing	

software Specifications

<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