



24-Port Gigabit + 4-Port Gigabit SFP L3 Managed PoE Switch

FR-S3028PEGMF-E

Characteristics

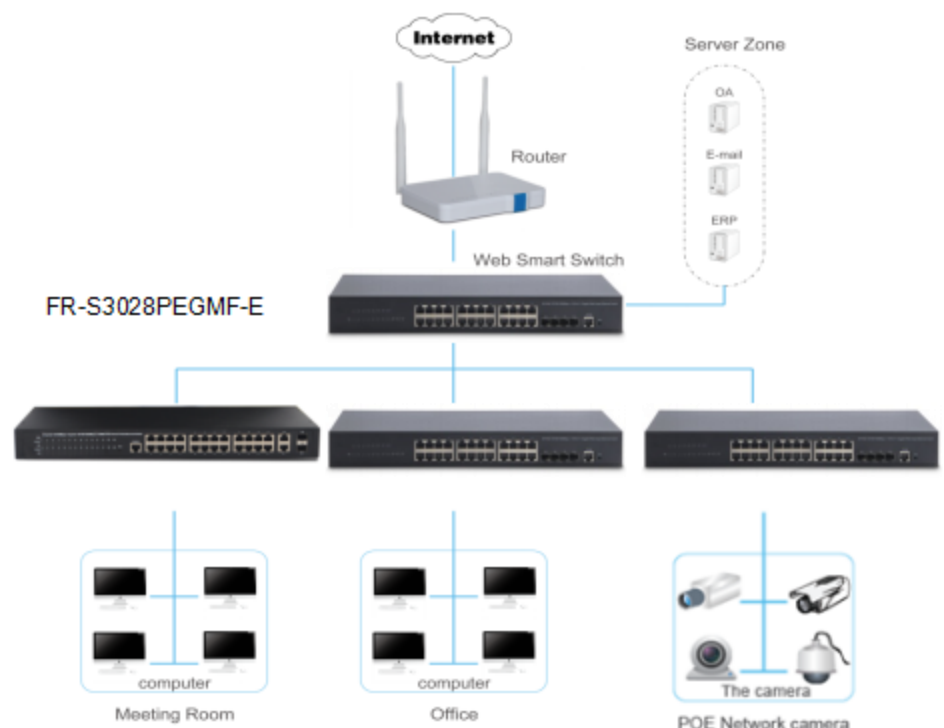
- Wire speed forward, intelligent recognition
- Integrated High-Performance Cortex-A9 processor.
- Four Gigabit SFP port
- Internal 450W Power supply
- Switching Capacity 56Gbps
- Supports PoE power up to 30W for each PoE port, 400W for all PoE ports

Description

FR-S3028PEGMF-E is a new generation designed for high security and high performance network the L3 switch. Provides twenty-four 10/100/1000Mbps self-adaption RJ45 port, plus four gigabit SFP optical port, it can be used to link bandwidth higher upstream equipment. Using store-and-forward technology, combined with dynamic memory allocation, ensure the bandwidth effective allocation to each port. Special design a flow control, it can avoid packet loss effectively when nodes in the sending and receiving data. . Built-in high reliability, design for wide voltage input application power supply, even if the voltage is not stable of power grid, also can guarantee the equipment can work normally.

FR-S3028PEGMF-E 24 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.

The application of topology



Features

- Supports IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3at, IEEE802.3af, IEEE802.3az.
- Supports PoE power up to 30W for each PoE port, all power up to 400W.
- Integrated High-Performance Cortex-A9 processor.
- Supports MAC address auto-learning and auto-aging.
- Twenty-four 10/100/1000Mbps self-adaption RJ45 port, plus four gigabit SFP port, it can be used to link bandwidth higher upstream equipment.
- Store and forward mode operates.
- LED indicators for monitoring power, link/activity, PoE.
- Support QoS, port mirroring, link aggregation protocol.
- 19 inches full metal iron shell and internal power adapter design, suitable for rack installation.

Hardware Specification

Model	FR-S3028PEGMF-E
Chipset	BCM56152+B50282+3*PD69208M+PD69200
Standards	IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3az, IEEE802.3af, IEEE802.3at
Number of Ports	24 x 10/100/1000Mbps ports 4 x 1000Mbps SFP ports 1x Console port
Network Media (Cable)	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-X:MMF,SMF
Transfer Method	Store-and-Forward
MAC Address Table	16K
Switching Capacity	56Gbps
Packet Forwarding Rate	41.67Mpps
Packet Buffer	1.5MBytes
Jumbo Frame	12KBytes
PoE Ports(RJ45)	24x PoE ports compliant with 802.3at/af
Power Pin Assignment	1/2(+),3/6(-)



PoE Budget	320W@100~160VAC, 50/60HZ 400W@200~240VAC, 50/60HZ (It's adjustable by Web page)	
Indicators	Per Device	Power
	Per Port	Link/Activity, PoE
Power Supply	100~160VAC, 50/60HZ, 370W	
	200~240VAC, 50/60HZ, 450W	
Power Consumption	Maximum(PoE on): 457.4W(220V/50Hz)	
Dimensions (W×D×H)	440x330x44.5mm (19" metal case)	
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

Management	<ul style="list-style-type: none"> ➤ Support Telnet, SSH remote management ➤ Support the SNMP ➤ Support cluster with cluster network management
Port features	<ul style="list-style-type: none"> ➤ Support port isolation ➤ Support port loop detection ➤ Support the ULDP ➤ Support LLDP ➤ Support the Port Channel configuration ➤ Support LED shut - off ➤ Support Jumbo packet
VLAN&MAC Adress	<ul style="list-style-type: none"> ➤ Support for MAC/strategy/port/protocol/IP subnet VLAN ➤ Support Dot1q tunnel ➤ Support GVRP ➤ VLAN - translation ➤ Support support MAC address automatic learning and aging ➤ Support the source MAC address filtering



STP	<ul style="list-style-type: none"> ➤ Support STP
QoS	<ul style="list-style-type: none"> ➤ Support WRR, WDRR queue scheduling algorithm ➤ Support flexible QinQ operation
Three layer forward and routing protocols	<ul style="list-style-type: none"> ➤ Support three layer forward ➤ Support the ARP configuration ➤ Support the static routing, OSPF, RIP configuration ➤ Support IPv4 and IPv6 routing
DHCP	<ul style="list-style-type: none"> ➤ Support the DHCP relay ➤ Support the DHCP Server ➤ Support DHCP Snooping
Multicast protocol	<ul style="list-style-type: none"> ➤ Support DCSCM configuration ➤ Support IGMP Snooping ➤ Support IPv6 multicast, MLD configuration
Safety features	<ul style="list-style-type: none"> ➤ Support 802.1x, the Radius authentication ➤ Support for AM ➤ Supports IPv6 security RA configuration ➤ Support the MAB configuration ➤ Support SSL ➤ Support for protection against Dos attacks ➤ Support ACL
PoE	<ul style="list-style-type: none"> ➤ Support PoE Management
Reliability	<ul style="list-style-type: none"> ➤ Support MRRP ➤ Support ULPP
The network time	<ul style="list-style-type: none"> ➤ Support SNTP ➤ Support the NTP
Traffic monitoring	<ul style="list-style-type: none"> ➤ Support port mirror ➤ Support the sFlow

