



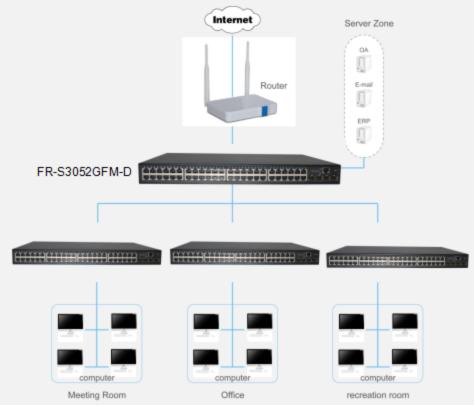
Characteristics

- The L2+ managed gigabit switch
- Four gigabit SFP fiber port
- Fully integrated 1.5MB packet buffer
- Integrated High-Performance Cortex-A9 processor
- Internal power supply,high performance, durable stability
- Switching Capacity 104Gbps

Description

FR-S3052GFM-D is a high performance the L2+ managed gigabit switch. Provides four-eight 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. Support VLAN ACL based on port, easily implement network monitori-ng, 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 ens-ure 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 enterprises, intelligent village, hotel, office network and campus network. Built-in high reliability, de-sign 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.

I The application of topology





L2



48-Port Gigabit+4-Port Gigabit SFP L2+ Managed Ethernet Switch FR-S3052GFM-D

Features

- ➤ Comply with IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3z, IEEE802.3ad standards
- Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- Supports MAC address auto-learning and auto-aging
- > Store and forward mode operates
- ➤ Support SNMP/RMON/TELENT
- Integrated High-Performance Cortex-A9 processor.
- ➤ Support IEEE802.1p Priority Queues
- > Support low power consumption and energy saving (EEE), control the broadcast storm.
- > Support Storm Control
- > Support QoS . Port Mirroring . Link Aggregation Protocol
- > Support manual reset function
- > LED indicators for monitoring power, link/activity
- > Web-based Management Support
- Four-eight 10/100/1000Mbps self-adaption RJ45 port, plus four 1000Mbps SFP ports, it can be used to link bandwidth higher upstream equipment.
- > Internal power adapter supply

| Hardware Specification

Model	FR-S3052GFM-D
Chipset	2*BCM53344+2*B50282
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3x, IEEE802.3z, IEEE802.3ad, IEEE802.1P, IEEE802.1Q
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
Interface	48 x 10/100/1000Mbps Auto-Negotiation ports 4 x SFP ports 1 x RJ45 Console Port
Transfer Method	Store-and-Forward
Switching Capacity	104G
MAC Address Learning	16K
Packet Forwarding Rate	77.376Mpps
Packet Buffer	1.5MBytes
Jumbo Frame	12KBytes



48-Port Gigabit+4-Port Gigabit SFP L2+ Managed Ethernet Switch FR-S3052GFM-D

Indicators	Per Device	Power: Green,SYS
	Per Port	Link/Activity/Speed
Power Supply		100~240VAC,50/60HZ,48W, internal power
Power Consumption		Maximum: 32.1W(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
Storage humidity: 5%~90% non-read densing		



48-Port Gigabit+4-Port Gigabit SFP L2+ Managed Ethernet Switch FR-S3052GFM-D

Software Specification

Support the SNMP Support loster with cluster network management Support port isolation Support port isolation Support port isolation Support LLDP Support MAC strategy/port/protocol/IP subnet VLAN Support Dot'ng tunnel Support SVRP VLAN-translation Support support MAC address automatic learning and aging Support support support MAC address filtering STP Support STP Support WRR_VDBR_queue scheduling algorithm Support flexible bing_operation Three layer forward and routing protocols Support the ARP configuration Support the ARP configuration Support the DHCP relay Support the DHCP server Support DHCP Snooping Support IndP Snooping Snooping Snooping Snooping Snooping Snooping Snooping Sno		Support Telnet, SSH remote management
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