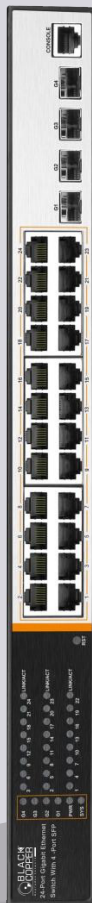


BC-24GSUGF1

24-port Gigabit Layer 3 Managed Switch

All ports support 6KV lightning protection



Overview

BC-24GSUGF1 is a full-gigabit layer-3 managed switch specially designed for building high-performance full-gigabit networks. The product adopts a new generation of high-performance hardware and software platforms to provide flexible and cost-effective full-gigabit access and uplink ports. It supports Layer 3 routing protocols, complete security protection mechanisms, complete ACL/QoS policies and rich VLAN functions, which are easy to manage and maintain. It meets users' networking requirements for easy management, high security, and low cost of network devices. It is suitable for campus, hotel and enterprise campus network access, aggregation, and core various application scenarios.

Features

Port 6KV lightning protection

- All ports support 6KV lightning protection

Advanced hardware architecture design, powerful processing capability

- Using Realtek's high-performance switching chips, it can meet the application requirements of various complex scenarios, greatly improve the network data processing rate, and the data transmission will not be stuck.

Powerful business processing capabilities

- Support 802.1Q VLAN, MAC VLAN, IP VLAN, users can flexibly divide VLAN as needed.
- Support QoS, 8 port queues, support port priority, 802.1P priority, DSCP priority, support SP, WRR, SP+WRR, WFQ priority scheduling algorithm.
- Support ACL, support L2 (Layer 2) ~ L4 (Layer 4) packet filtering function, provide flexible and secure access control policy.
- Support IGMP v1/v2/v3 Snooping, MLD v1/v2 Snooping, to meet the requirements of multi-terminal HD video surveillance or video conference.
- Supports the fast leave mechanism and querier of Layer 2 multicast, supports Layer 2 IPv4 static multicast and Layer 2 IPv6 static multicast.
- Support RIP dynamic routing protocol, solve the routing problem after the small and medium-sized network is divided into subnets, and simplify the network configuration.
- Support static routing protocol, and manually configure routing entries to realize communication between different network segments.
- Support proxy ARP, so that hosts in different physical networks on the same network segment can communicate normally.

Perfect security mechanism

- Complete security authentication mechanism: It supports IEEE 802.1x, Radius, Tacacs+, etc., and can provide users with a complete security authentication mechanism.
- The perfect loop detection mechanism can ensure the stable operation of the network for a long time.
- Provide port isolation in the same VLAN, and security features such as DHCP- Snooping, IP+MAC+port binding, etc., to further ensure user data security.
- Support ARP protection, IP source protection, DoS protection.
- Support to restrict user access based on port number, IP address, and MAC address.

Diverse reliability protection

- Support STP (IEEE 802.1d), RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s) protocols to eliminate Layer 2 loops and implement link backup.
- Supports loop protection, root bridge protection, TC protection, BPDU protection, and BPDU filtering.
- Support 50ms switching of optical ports.

Flexible and convenient management and maintenance

- Supports various management methods such as Console, Telnet, and SSH.
- Support WEB network management (HTTP, HTTPS, SSL V3), which is simpler and more efficient, and is convenient for users to install and debug.
- Supports file upload and download management in TFTP mode.
- Support SNMP V1/V2/V3 to facilitate device management through the network management platform.
- Support one-stop management and maintenance of Fengrunda Apollo cloud platform, which can realize all-round remote operation and maintenance such as automatic device discovery, network topology management, and remote configuration management of devices.

Specifications

Hardware Specifications	
Network Interface	<ul style="list-style-type: none">● 24*10/100/1000Mbps RJ45 port● 4*gigabit SFP port● 1*Console port
Network protocol standard	<ul style="list-style-type: none">● IEEE 802.3、IEEE 802.3i、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3z、IEEE 802.3ad、IEEE 802.3x、IEEE 802.1p、IEEE 802.1q、IEEE 802.1d、IEEE 802.1s、IEEE 802.1w
Performance Specifications	<ul style="list-style-type: none">● Backplane bandwidth: 56Gbps● Packet forwarding rate: 41.7Mpps● MAC address table: 16K● Port buffer: 12Mb● Forwarding mode: store and forward
LED indicator	<ul style="list-style-type: none">● 28 Link/Act indicators● 1 Power indicator● 1 SYS indicator
Power support	<ul style="list-style-type: none">● Input power: AC 100-240V/50-60Hz
Physical Specifications	<ul style="list-style-type: none">● Size (LxWxH) : 440mm×320mm×44mm
Environmental Specifications	<ul style="list-style-type: none">● Working temperature: 0°C~40°C● Storage temperature: -40°C ~ 70°C● Working humidity: 10%~ 90% RH without condensation● Storage humidity: 5%~90% RH without condensation
Safety regulations	<ul style="list-style-type: none">● CE/ROHS/FCC