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Version No.:





Network Solutions for a wider world

Quidway® S3026 Enterprise Workgroup Switch



Quidway® S3026

Enterprise Workgroup Switch

Quidway® S3026 routing switch is a box-type layer 2/3 wire-speed Ethernet switch with 10/100M aggregation in service provider data centers, metropolitan area networks, and wiring closets. Quidway® S3026 provides 24 10/100M auto-sensing ports and two fast versatile expandable slots for supporting two GE port uplinks. Running on the VRP (Versatile Routing Platform) network operating system designed for Huawei network products, it can provide perfect routing protocols, VLAN control, traffic management, QoS, powerful service control and user management.



Quidway® S3026 Interface Configuration:

- **Twenty-four 10/100Base-T Ethernet interfaces;**
- **One RS—232 (RJ-45) local management interface;**
- **Two optional expandable module slots**
 - 1-port gigabit single-mode optical interface module
 - 1-port gigabit multi-mode optical interface module
 - 1-port gigabit electric interface module
 - 1-port 100M single-mode optical interface module
 - 1-port 100M multi-mode optical interface module
 - 1-port 100M electric interface module
 - 2-port 100M VLAN transparent transmission module

Switching Mode of Quidway® S3026 Ethernet Switch:

- **Store-and-Forward**

Main supported protocols and applications

Ethernet protocol	IEEE 802.1D, IEEE 802.3, IEEE 802.3u, IEEE 802.3x IEEE 802.3z, IEEE 802.1Q, IEEE 802.1P
IP protocol	IP, TCP, UDP, ICMP, ARP,
Routing protocol	RIP I/II, OSPF, IGMP,
Application protocol	FTP, TFTP, BOOTP, Telnet
NM protocol	SMI, SNMP, RMON, SMON MIBII, Ethernet-like MIB, Bridge MIB, Ether-like MIB

Product Features:

- **High performance and low cost:** All ports support the full wire-speed layer 2 forwarding;
- **Supports abundant industry standards:** Provides the standard switching functions and supporting the standard Ethernet protocols, it is fully compatible with the existing network facilities, and supports the smooth connection and interworking to other manufacturer's equipment on the basis of industry standards.
- **Smooth upgrade and expandability:**
 - A) Smooth upgrade:**
Based on Quidway VRP software, it provides good upgrade measures
 - B) Good expandability:**
 - It provides GE/FE uplink ability by configuring different modules;
 - It supports the connection of fibers or twisted pair cables by configuring different modules;
 - It can provide more functions by upgrading software.

- **Supports abundant service features:**

A. QoS

Based on 802.1p tags priority control, it supports two priorities;

B. Multicast

It supports IGMP Snooping;

C. Security features

It supports the locking and static setting of MAC address table, and the controlled filtering of MAC.

D. VLAN

- Supports the port-based VLAN;
- Supports the VLAN based on IEEE 802.1Q tag;
- Supports the VLAN based on port and 802.1Q tag hybrid strategy;
- Supports VLAN Trunking protocol.

E. Port Mirroring

It supports the port-based mirroring mode.

System Specifications:

Attribute	Description
CPU	ARM 125MHz
FLASH	8MB
CPU RAM	24MB
Buffer RAM	6MB
Port configuration	Twenty-four 10/100BASE-TX ports Two fast extended slots
Expandable module	1 × 1000BASE-LX module 1 × 1000BASE-SX module 1 × 1000BASE-T module 100M multi-mode single optical interface module 100M single-mode single optical interface module 100M single electric port RJ45 module 2 × 100M VLAN transparent transmission electric interface module
Switching capacity	8.8 Gbps
Port capacity	4.4Gbps