

HUAWEI

- | | |
|-----------------------|-----------------------|
| 1. Getting Started | 9. MSTP |
| 2. Port | 10. Security |
| 3. VLAN | 11. System Management |
| 4. Network Protocol | 12. HWPing |
| 5. Routing Protocol | 13. PoE |
| 6. Multicast Protocol | 14. Reliability |
| 7. QoS/ACL | 15. Appendix |
| 8. IRF Fabric | |

Quidway S5600 Series Ethernet Switches Operation Manual

VRP3.10

Quidway S5600 Series Ethernet Switches

Operation Manual

Manual Version	T2-081633-20060105-C-1.01
Product Version	VRP3.10
BOM	3116A033

Huawei Technologies Co., Ltd. provides customers with comprehensive technical support and service. If you purchase the products from the sales agent of Huawei Technologies Co., Ltd., please contact our sales agent. If you purchase the products from Huawei Technologies Co., Ltd. directly, Please feel free to contact our local office, customer care center or company headquarters.

Huawei Technologies Co., Ltd.

Address: Administration Building, Huawei Technologies Co., Ltd.,

Bantian, Longgang District, Shenzhen, P. R. China

Postal Code: 518129




Website: <http://www.huawei.com>

Copyright © 2006 Huawei Technologies Co., Ltd.

All Rights Reserved

No part of this manual may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

Trademarks

 , HUAWEI, C&C08, EAST8000, HONET,  , ViewPoint, INtess, ETS, DMC, TELLIN, InfoLink, Netkey, Quidway, SYNLOCK, Radium,  M900/M1800, TELESIGHT, Quidview, Musa, Airbridge, Tellwin, Inmedia, VRP, DOPRA, iTELLIN, HUAWEI OptiX, C&C08iNET, NETENGINE, OptiX, iSite, U-SYS, iMUSE, OpenEye, Lansway, SmartAX, infoX, and TopEng are trademarks of Huawei Technologies Co., Ltd.

All other trademarks and trade names mentioned in this manual are the property of their respective holders.

Notice

The information in this manual is subject to change without notice. Every effort has been made in the preparation of this manual to ensure accuracy of the contents, but all statements, information, and recommendations in this manual do not constitute the warranty of any kind, express or implied.

About This Manual

Release Notes

The product version that corresponds to the manual is VRP3.10.

Related Manuals

The following manuals provide more information about the Quidway S5600 Series Ethernet Switches.

Manual	Content
Quidway S5600 Series Ethernet Switches Installation Manual	It provides information for the system installation.
Quidway S5600 Series Ethernet Switches Command Manual	It is used for assisting the users in using various commands.

Organization

Quidway S5600 Series Ethernet Switches Operation Manual consists of the following parts:

- **Getting Started**
Introduces how to access the Ethernet Switch.
- **Port**
Introduces Ethernet port and link aggregation configuration.
- **VLAN**
Introduces VLAN and Voice VLAN related configuration.
- **Network Protocol**
Introduces network protocol configuration, including IP address, ARP, DHCP, and IP performance configuration.
- **Routing Protocol**
Introduces routing protocol configuration, including static route, RIP, OSPF, routing policy, and route capacity configuration.

- **Multicast Protocol**

Introduces IGMP Snooping, IGMP, PIM-DM and PIM-SM configuration.

- **QoS/ACL**

Introduces QoS/ACL configuration.

- **IRF Fabric**

Introduces IRF Fabric configuration.

- **MSTP**

Introduces MSTP configuration.

- **Security**

Introduces 802.1X, centralized MAC address authentication, AAA & RADIUS configuration.

- **System Management**

Introduces system management and maintenance of Ethernet Switch, including file system management, system maintenance and network management configuration.

- **HWPing**

Introduces HWPing configuration.

- **PoE**

Introduces PoE characteristics and configuration.

- **Reliability**

Introduces VRRP configuration.

- **Appendix**

Intended Audience

The manual is intended for the following readers:

- Network engineers
- Network administrators
- Customers who are familiar with network fundamentals

Conventions

The manual uses the following conventions:

I. General conventions

Convention	Description
Arial	Normal paragraphs are in Arial.
Boldface	Headings are in Boldface .
Courier New	Terminal Display is in Courier New.

II. Command conventions

Convention	Description
Boldface	The keywords of a command line are in Boldface .
<i>italic</i>	Command arguments are in <i>italic</i> .
[]	Items (keywords or arguments) in square brackets [] are optional.
{ x y ... }	Alternative items are grouped in braces and separated by vertical bars. One is selected.
[x y ...]	Optional alternative items are grouped in square brackets and separated by vertical bars. One or none is selected.
{ x y ... } *	Alternative items are grouped in braces and separated by vertical bars. A minimum of one or a maximum of all can be selected.
[x y ...] *	Optional alternative items are grouped in square brackets and separated by vertical bars. Many or none can be selected.
#	A line starting with the # sign is comments.

III. GUI conventions

Convention	Description
< >	Button names are inside angle brackets. For example, click the <OK> button.
[]	Window names, menu items, data table and field names are inside square brackets. For example, pop up the [New User] window.
/	Multi-level menus are separated by forward slashes. For example, [File/Create/Folder].

IV. Keyboard operation

Format	Description
<Key>	Press the key with the key name inside angle brackets. For example, <Enter>, <Tab>, <Backspace>, or <A>.
<Key1+Key2>	Press the keys concurrently. For example, <Ctrl+Alt+A> means the three keys should be pressed concurrently.
<Key1, Key2>	Press the keys in turn. For example, <Alt, A> means the two keys should be pressed in turn.

V. Mouse operation

Action	Description
Select	Press and hold the primary mouse button (left mouse button by default).
Click	Select and release the primary mouse button without moving the pointer.
Double-Click	Press the primary mouse button twice continuously and quickly without moving the pointer.
Drag	Press and hold the primary mouse button and move the pointer to a certain position.

VI. Symbols

Eye-catching symbols are also used in the manual to highlight the points worthy of special attention during the operation. They are defined as follows:



Caution, Warning: Means reader be extremely careful during the operation.



Note: Means a complementary description.