VRP Foundation

Foreword

As more and more end stations in the form of host devices, networkable printers other similar products are introduced into the local area network, an increase in the density of devices results in a limitation in terms of port interfaces, along with problems of collisions within any shared network topology. Switching has evolved as the means for supporting this growth. VRP is used within Huawei products as a means to configure and operate such managed devices for which familiarity and hands-on skills must be developed.
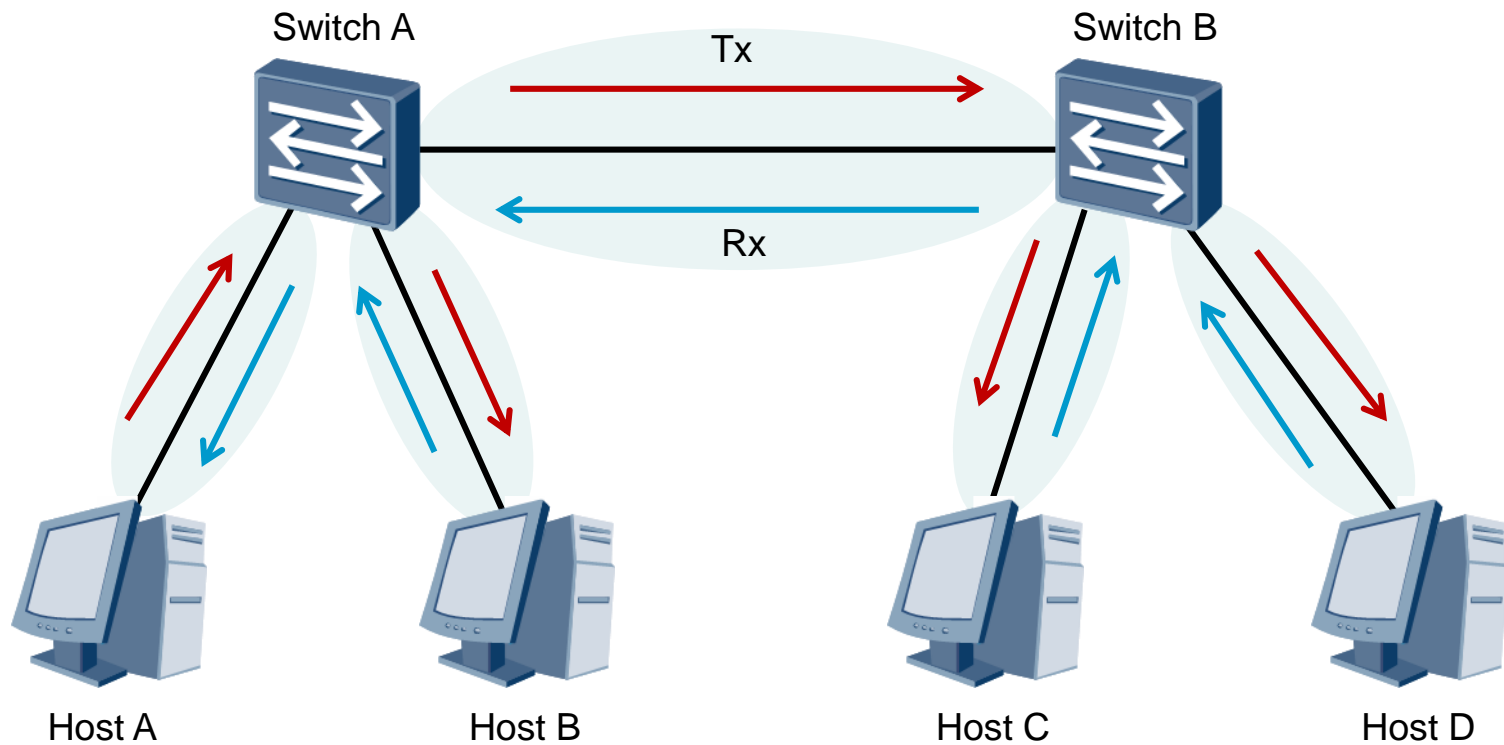
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Objectives

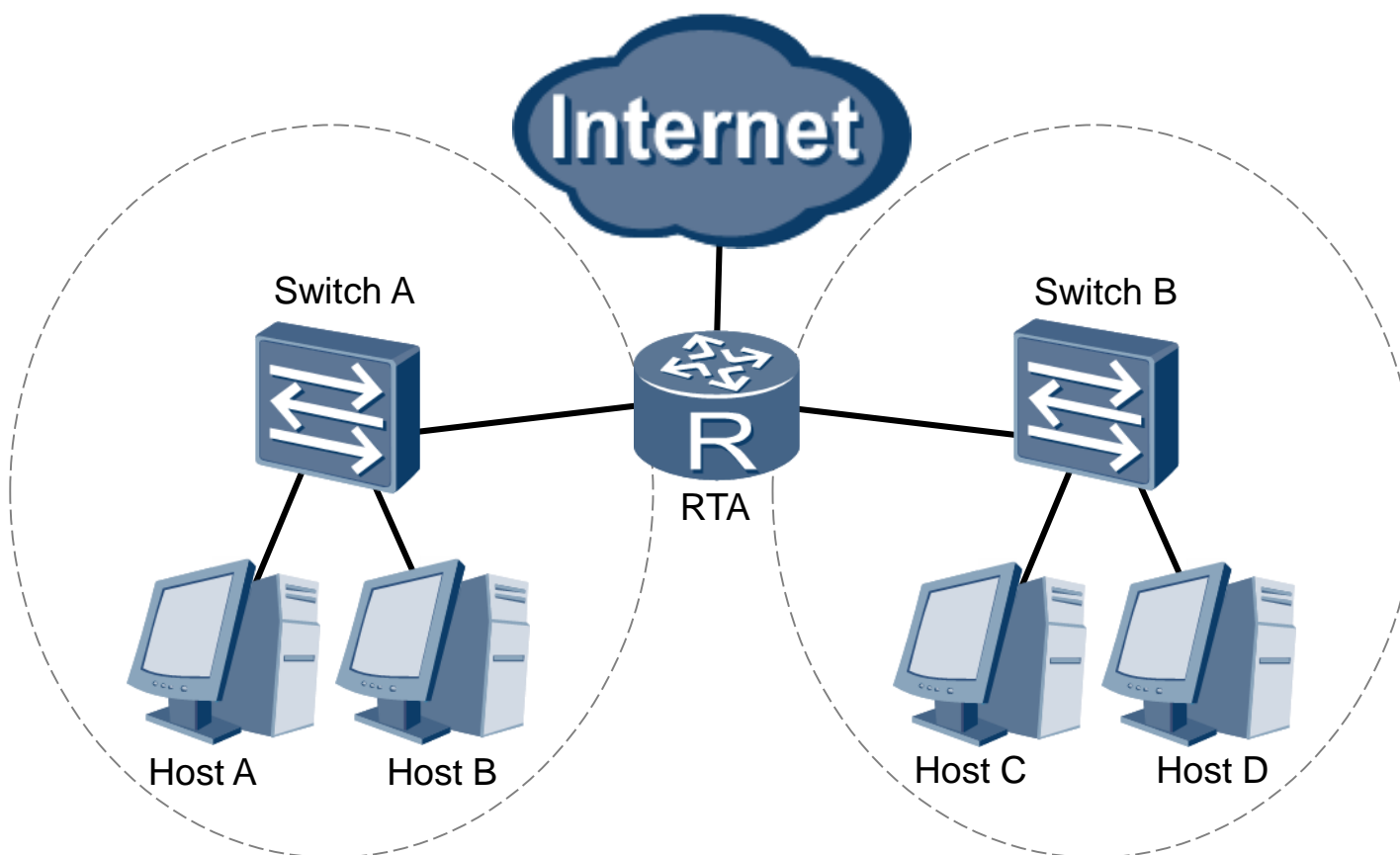Upon completion of this section, trainees will be able to:

- Explain the role switches play in the Ethernet networks.

- Describe the difference between collision and broadcast domains.

- Explain the general operation of VRP in Huawei products.
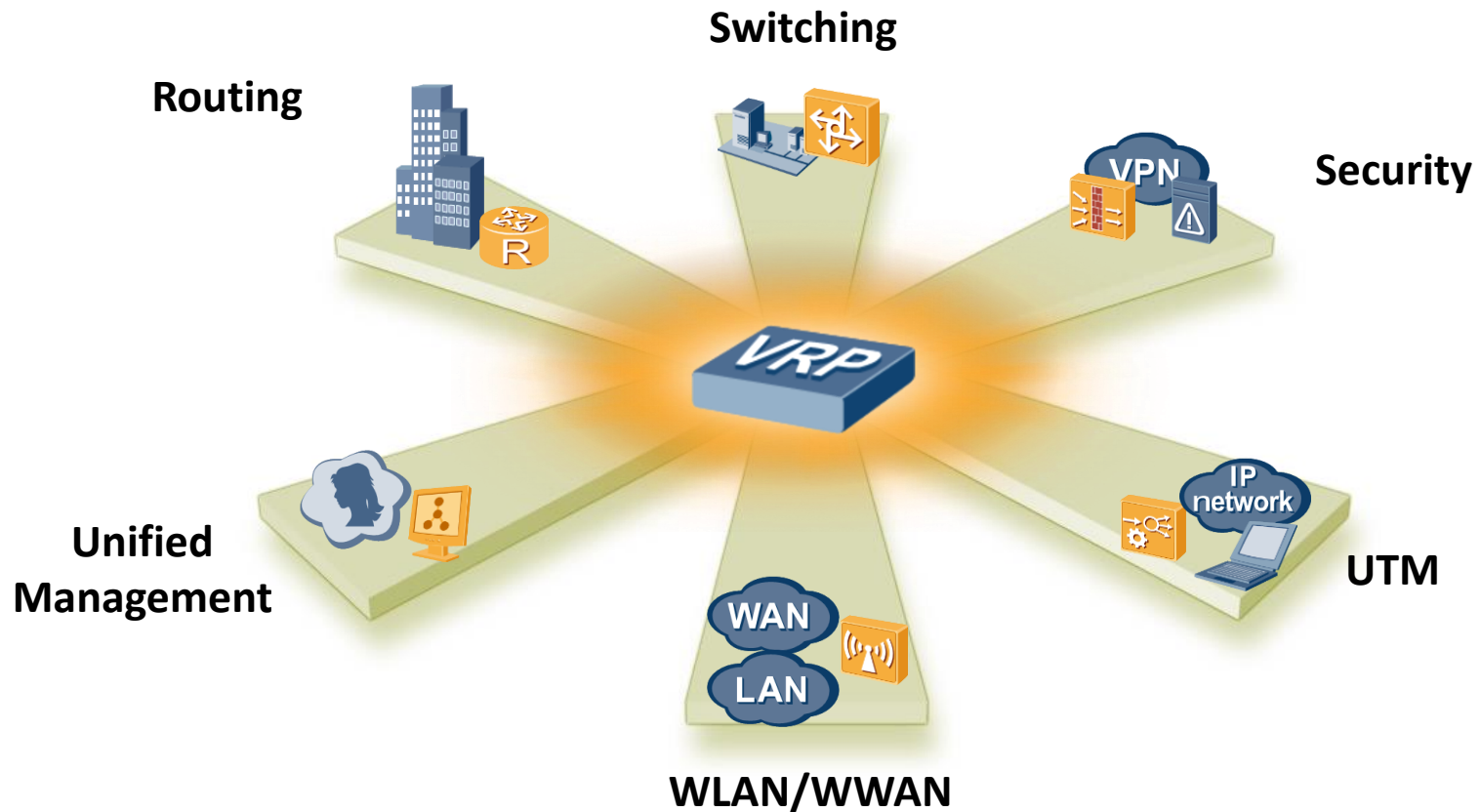
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Application of Switching Devices

● Switches generate multiple collision domains.
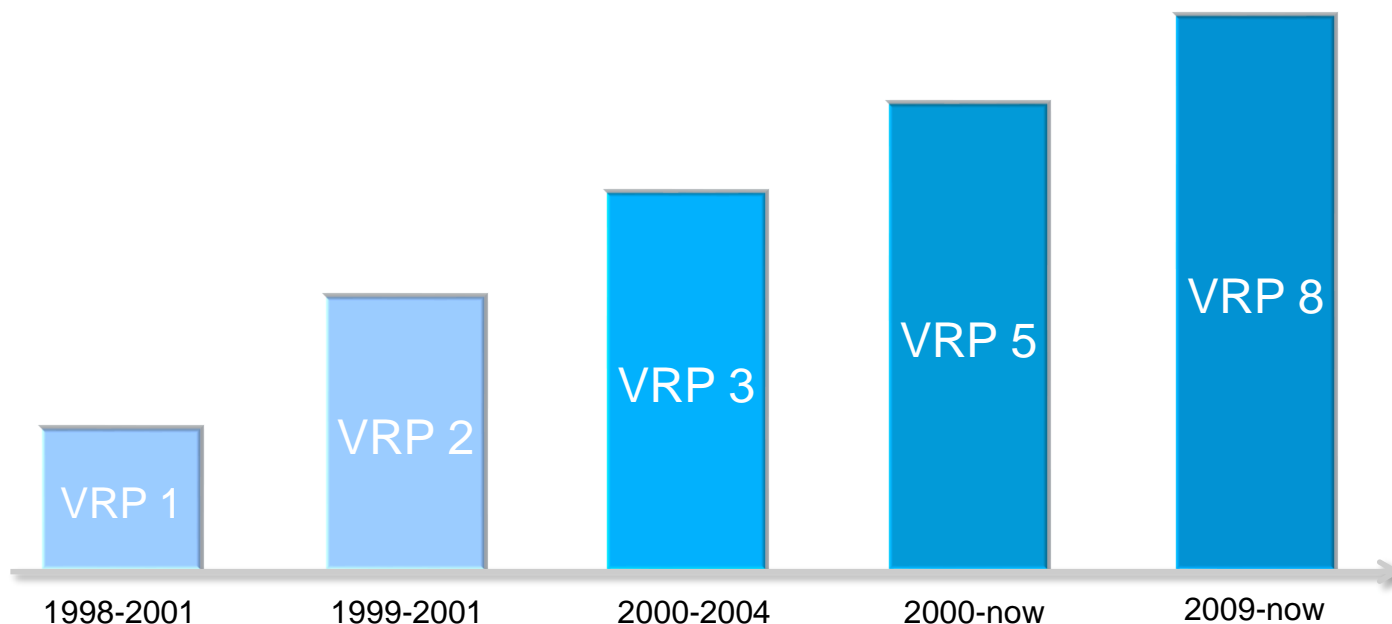
Application of Routing Devices

- Gateway devices such as routers generate broadcast domains.

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Introduction To VRP

- VRP is the platform on which many Huawei products operate.

VRP Timeline

VRP 1 — 1998-2001
VRP 2 — 1999-2001
VRP 3 — 2000-2004
VRP 5 — 2000-now
VRP 8 — 2009-now

● VRP versions 5 and 8 are currently used in Huawei products.
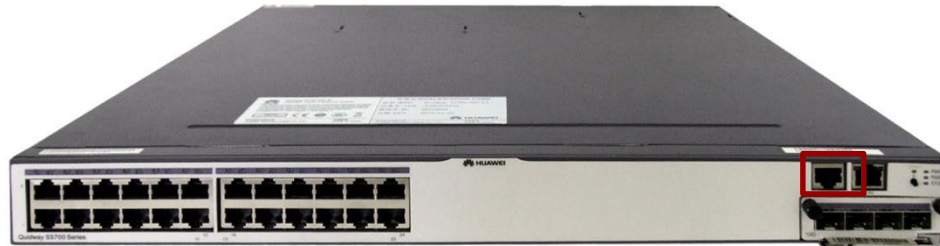
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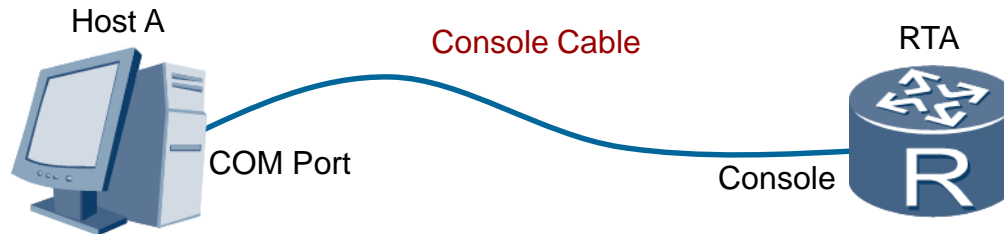
Establishing Connectivity

AR2200

Mini USB

Console

S5700

Console

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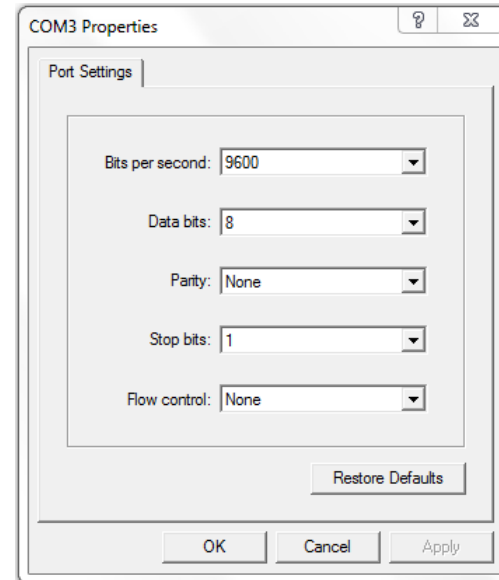
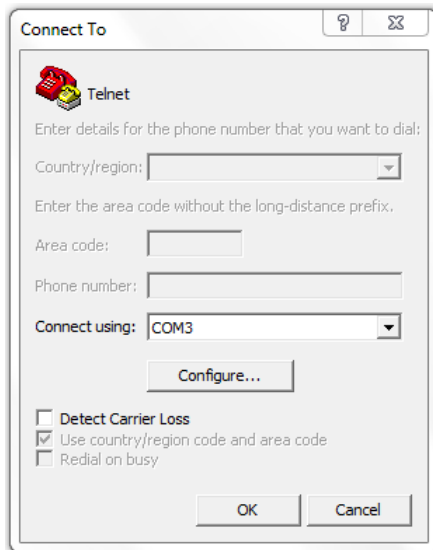# Device Access via Console

- A physical connection is established between the serial (COM) port and the console interface of the router/switch.
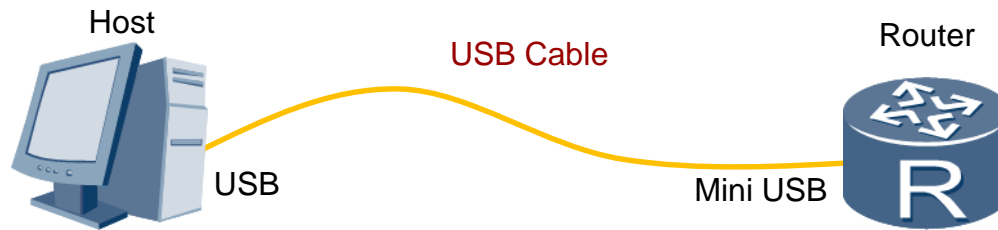
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Console Access Setup Procedures


```
Please configure the login password (maximum length 16)

Enter password:huawei

Confirm password:huawei

<Huawei>
```
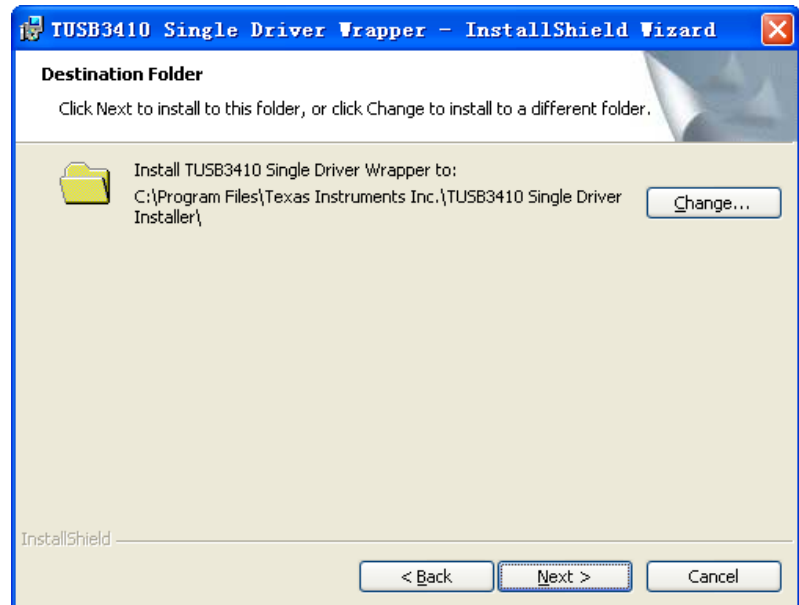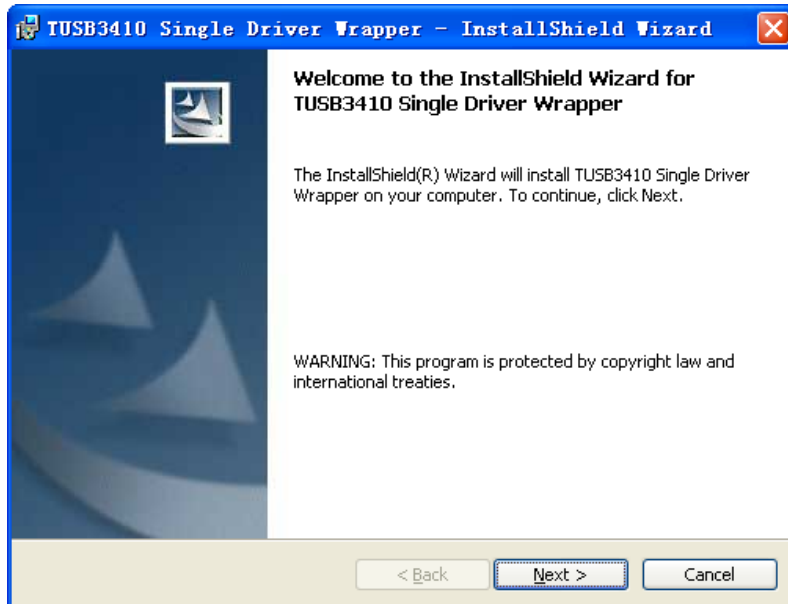
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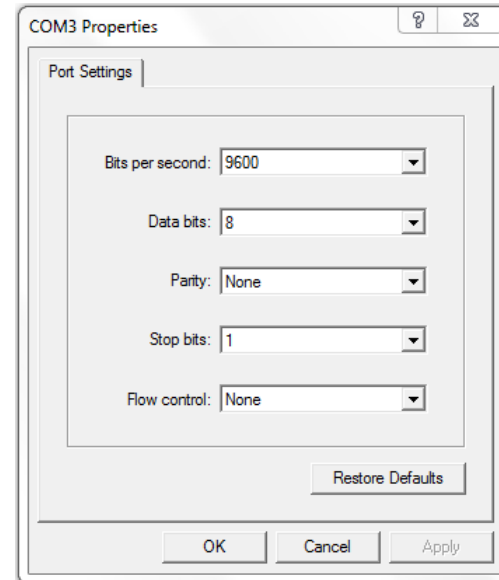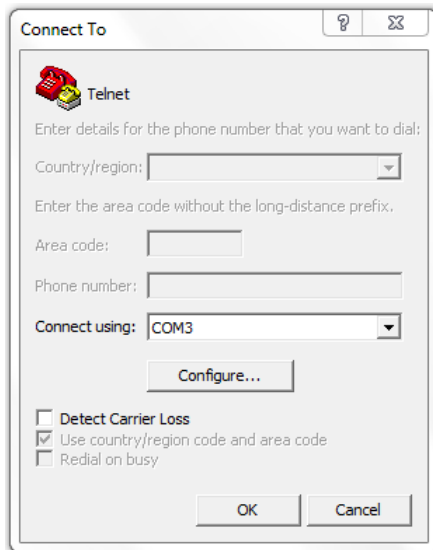# Router Access via Mini USB

● Connection is made between the USB port of the host and the mini USB interface of the router.

Mini USB Driver Installation

● Installation of drivers for the USB connection may be required.

Mini USB Access Setup Procedures

```
Please configure the login password (maximum length 16)

Enter password:huawei

Confirm password:huawei

<Huawei>
```

Summary

- If an Ethernet broadcast occurs such as in the case of ARP, to which the destination is local, what will the response of the gateway be?

- Which versions of VRP are currently supported by Huawei products?

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Thank you

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