Trinity Feature: Terminal Configuration

Reference Guide Appendix

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Appendix Terminal Configuration

Chapter contents

Overview

This document describes how to configure statistical multiplexer settings. Models 3034/3038 with the Trinity platform offer terminal ports on the back of the device.

> **Note** The menu, commands, and features for your model may vary slightly from what is shown in this manual. Some models may not include all of the features mentioned. Refer to the model's *User Manual*, available online at **www.patton.com/manuals**, to see which features are available.

Configuration Overview

Models 3034/3038 can act as a statistical multiplexer when configured in conjunction with another 3034/3038. When using two 3034/3038s as statistical multiplexers, one device must be configured as the master and one as the slave. Typically, the 3034/3038 installed at the remote site should be configured in slave mode, while the 3034/3038 installed at the local site should be configured in master mode.

In master mode, the IP address of the remote 3034/3038 must be specified and a TCP/UDP port number is optional. If the port number is not specified, the default value is used. For example, for serial interface 1, the default port is 30001.

In slave mode, the port is also optional but the port number used on the slave must match the port configured on the master. Like master mode, if the port number is not specified, the default value is used.

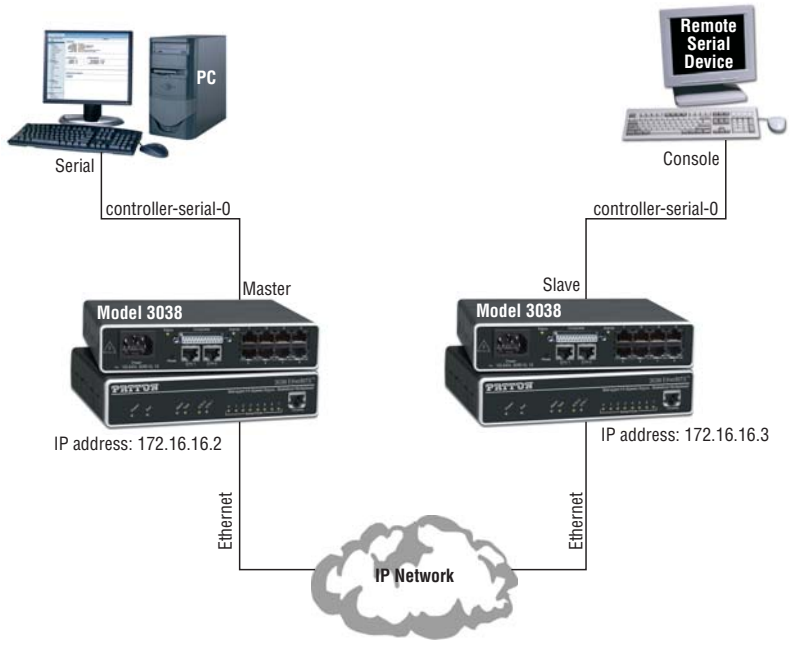

Figure 1. 3034/3038 networking diagram

To configure statistical multiplexer settings through the WMI, see the section "Web Management Interface (WMI)" on page 6.

To configure statistical multiplexer settings through the CLI, see the section "Command Line Interface (CLI)" on page 7.

Web Management Interface (WMI)

To access the statistical multiplexer main page, click on **Interface Configuration** > **Terminal** from the menu on the left of the screen.

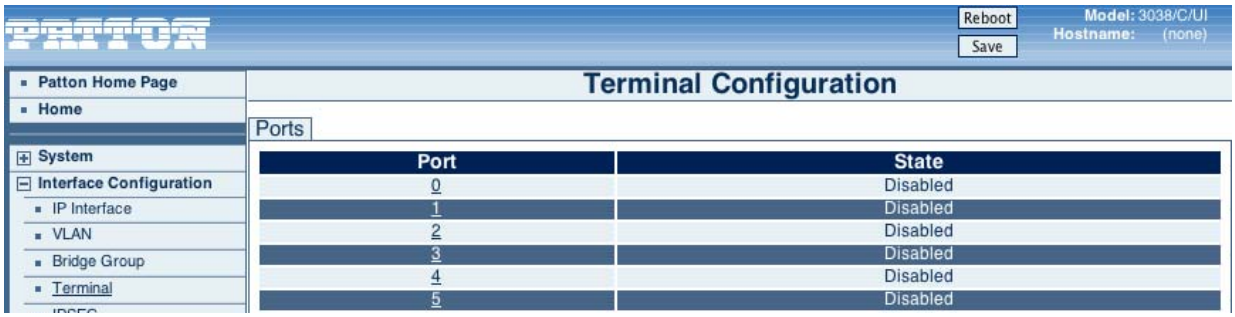

Figure 2. Terminal Configuration

The **Terminal Configuration** main page displays the list of terminal ports and the current state of the ports. 3034 Models have four terminal ports and 3038 models have 8 terminal ports.

Port Configuration

To configure a terminal port:

1. Click on the number of the port you would like to configure in the **Port** column on the Terminal Configuration main page.
2. The **Terminal Port Status** page displays. Click on the **Configuration** tab at the top of the page.

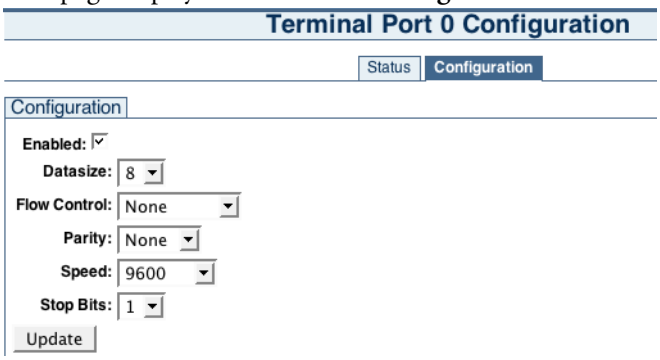

Figure 3. Terminal port configuration

3. Check the **Enabled** box to turn on the terminal port.
4. Set the following fields:
   - **Datasize:** Set the data bits of the terminal port. Select an option from the range **5–8**.
   - **Flow Control:** Set the flow control of the terminal port. Select **None**, **RTS/CTS**, or **XON/XOFF**.
   - **Parity:** Set the parity of the terminal port. Select **Even**, **Mark**, **None**, **Odd**, or **Space**.
   - **Speed:** Set the baud rate for the terminal port. Select an option from the range **50–230400**.
   - **Stop Bits:**Set the baud rate for the terminal port. Select **1** or **2**
5. Click **Update** to save your settings.

Command Line Interface (CLI)

The following commands are used to configure the terminal interfaces:

Table 1. Stat Mux- CLI Commands

Step	Explanation
configure controller terminal <0-7>	Enter the serial controller configuration mode.
clear	Reset the statistics shown in the show command.
data {5,6,7,8}	Set the data bits of the terminal interface.
flow {none,rtscts,xonxoff}	Set the flow control of the terminal interface.
mode {none,master,slave}	Set the mode of the terminal interface. An interface can only operate in one mode at a time.
mode master <A.B.C.D> [<0-40000>] [allow-remote-control]	Enable master mode, configure remote IP address, and configure optional port number. If no port number is specified, the default port value is 30000 plus the number of the terminal interface (ie 30001 for terminal interface 1).
mode slave [<0-40000>]	Enable slave mode and configure optional port number.
parity {even, mark, none, odd}	Set the parity of the terminal interface.
show	Display the configuration and statistics for this interface.
[no] shutdown	Enables or disables the terminal interface.
speed <50-230400>	Set the baud rate of the terminal interface.
stop-bits {2,1}	Set the baud rate of the terminal interface.
show cont terminal	Show configuration of all terminal interfaces

Example – show cont terminal command:

```
Port|Speed|Parity|   Flow   |Data Size |Stop Bits
 0  | 9600| none |   none   |   cs8    |   one
 1  | 9600| none |   none   |   cs8    |   one
 2  |19200| even |   none   |   cs8    |   one
 3  | 9600| none |   none   |   cs8    |   one
 4  |19200| none |   none   |   cs8    |   one
 5  |19200| none |   none   |   cs8    |   one
 6  | 9600| none |   none   |   cs8    |   one
 7  | 9600| none |   none   |   cs8    |   one
```