Connecting a Modem to the GSS 4492R Console Port

This appendix explains how to configure a dial-up modem and connect it to the console port on the GSS 4492R. Connecting a modem to the GSS 4492R allows you to remotely perform the same GSS 4492R console operations as you would locally. The GSS 4492R supports the following modems:

- 3Com (US Robotics) Courier Model 3453 Modem
- 3Com OfficeConnect Model 3294 Modem
- 3Com (US Robotics) Sportster Model 5686 Modem
- MultiTech Model MT5634ZBA Modem

This appendix includes the following sections:

- Configuring a Modem
- Cabling a Modem to the GSS 4492R

Configuring a Modem

You must configure the modem before you can connect it to the GSS 4492R. You can connect the modem to a terminal or a PC using a terminal emulation program, such as Hyperterminal. If you connect the modem to the COM port on a PC, you need the following cable and connectors:

- RJ-45-to-RJ-45 rolled cable
- RJ-45-to-DB-25 modem adapter
- DB-9-to-RJ-45 terminal adapter

Figure 1-4 on page 1-6 shows the pin number assignments for the 9-pin, male D-shell console port connector on the back of the GSS 4492R. These pin number assignments conform to the industry standard.

Table 1-1 on page 1-6 lists the connector pinouts for the GSS 4492R console port.

You configure the modem by entering commands from the Attention (AT) command set and, if applicable, setting the configuration switches on the modem. Although the process to configure the modem may vary from one modem to another, configure your modem so that its resulting behavior is as follows:

- Answers a call on the first ring
- Disables both hardware and software flow control mechanisms
Cabling a Modem to the GSS 4492R

After you configure the modem, perform the following steps to connect a modem to the GSS 4492R:

1. Unplug the flat rolled RJ-45-to-RJ-45 cable from the terminal adapter on the PC and connect the cable to the console port on the rear panel of the GSS 4492R (see Figure 1-2 on page 1-4).

2. Ensure that the settings on the remote console match the GSS 4492R default settings specified in Table B-1.

Table B-1   Console Port Default Settings

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Default Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baud</td>
<td>9600</td>
</tr>
<tr>
<td>Data Bits</td>
<td>8</td>
</tr>
<tr>
<td>Parity</td>
<td>None</td>
</tr>
<tr>
<td>Stop Bits</td>
<td>1</td>
</tr>
<tr>
<td>Terminal Type</td>
<td>VT100/ANSI</td>
</tr>
<tr>
<td>Flow Control</td>
<td>None</td>
</tr>
</tbody>
</table>

Note

When you remotely log in to the GSS 4492R through a modem, ensure that you log out before disconnecting from the session. Use the `exec-timeout timeout` command to set the maximum amount of time that the console session can be idle on the GSS 4492R before it logs out. By default, the timeout is 150 minutes.