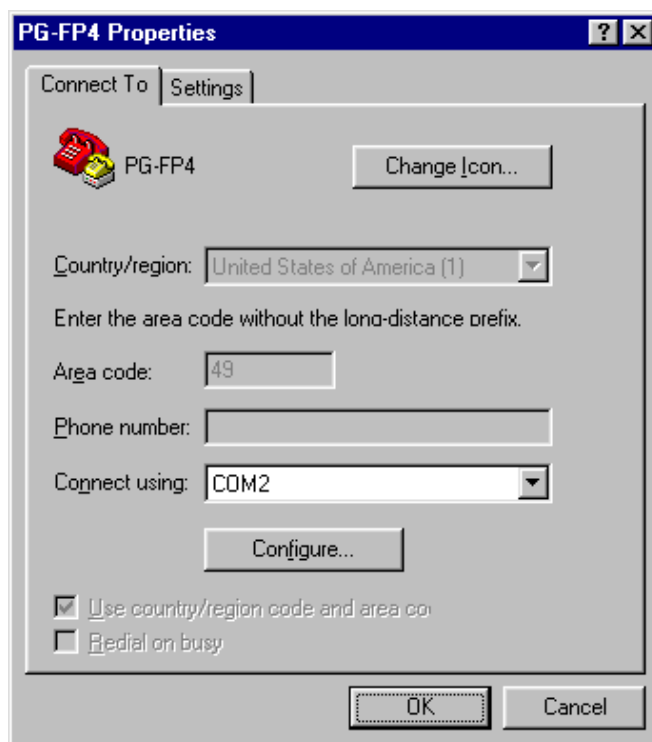


## 第八章 编程区段举例（使用终端通讯编程）

V850/SB1微处理器被使用,显示一个典型编程序列.使用视备的

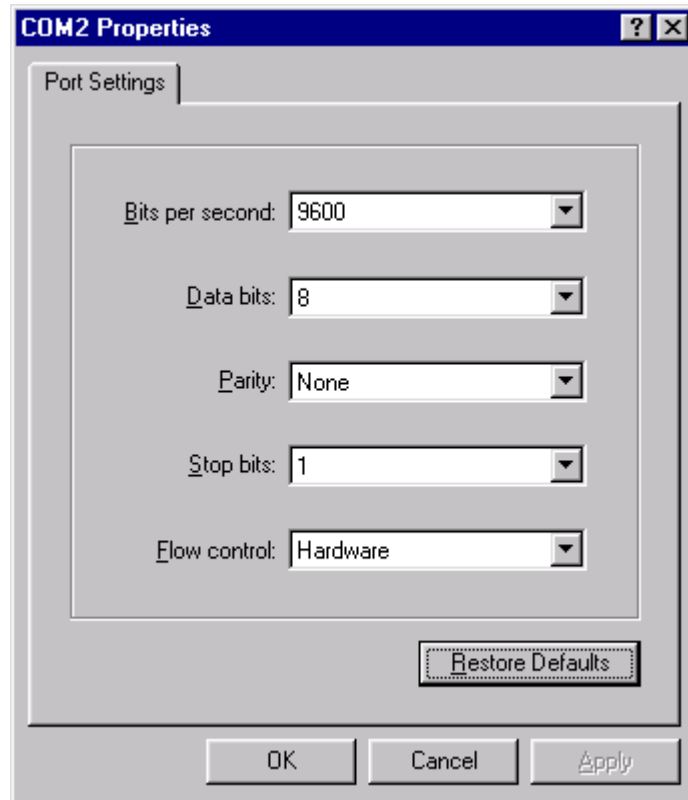
1. 使用所提供的串行电缆连接PG-FP4到你的主电脑,目标排线连接PG-FP4到目标硬件
2. 使用目标排线PG-FP4目标硬件功能是NEC FA-100GC 编程适配器或你自己的目标硬件,
3. 选择合适的AC-插头(欧洲,英国或美国/日本)把它连接到AC适配器
4. 使用AC适配器连接PG-FP4和电源,并且LCD屏幕显示"命令>"表示PG-FP4是准备妥开始操作,.
5. 复制闪存参数文档V850/SB1 到您的硬盘并且把它安装公司到PG-FP4安装路径\PRM,你可NEC的连接网站,  
<http://www.eu.necel.com/update>.  
确认你下载闪存参数文档依照你的器件规格,  
(版本号,遮照级.).
6. 启动超级终端设备.
7. 激活文档→ 属性菜单和把所连接的PG-FP4设置合适的端口号码.

图 8-1: 超级终端属性窗口



## 第八章 编程区段举例（使用终端通讯编程）

图 8-2: Hyperterminal Port Setup



The communication speed shall be set to 9600 bps. Select 8 data bits, no parity, 1 stop bit and hardware flow control in this window. Press **OK** to close this dialog.

If any other communication speed has been selected in a previous programming session, PG-FP4 will continue to use this. The terminal program's communication speed must be adjusted in this case.

8. Select *Call* → *Disconnect* and *Call* → *Connect* menus to activate the communication settings made in step 7. You will now be connected to the PG-FP4.  
If you would like to change the communication speed you may use the *brtc* command in the HyperTerminal communication window to select any other speed setting. Then return to step 7 to adjust the HyperTerminal settings.

**Note:** For communication speed higher than 19200 baud it is recommended to use another terminal, i.e. Tera TermPro.  
It can be downloaded freely from the WEB. Please, search for the keyword *teraterm* to find the download page.

9. Type *downprm* in the HyperTerminal communication window, activate *Transfer* → *Send Text File* menu. Select the V850/SB1 flash parameter file from the directory you have chosen in step 5. Press **Open** to send this file to PG-FP4.  
As soon as the download is complete, PG-FP4 is prepared to program V850/SB1 devices according to the settings in the parameter file.

## 第八章 编程区段举例（使用终端通讯编程）

10. Define the destination memory area for your target program in PG-FP4 by one of the following commands, provided the PRM and SET parameter files allow this setting:

progarea 0 **R**

Program area 0 will hold the target program

or

progarea 1 **R**

Program area 1 will hold the target program

11. Start downloading your program by using the

 $\text{lod } \mathbf{R}$ 

command. When `Now loading` is displayed on the screen, select *Transfer* → *Send Text File* in HyperTerminal. Highlight the file to be send and press **Open**. While downloading is processed, several ‘.’ will be displayed.

12. Use the

epv **R**

command to connect PG-FP4 to the target device and program the application program into the device's flash memory.

13. If necessary, insert another device to be programmed into the programming adapter and repeat step 12.
14. If no other device needs to be programmed exit HyperTerminal. All settings made during this programming session will be saved in the PG-FP4 so that they can be reused next time.

**[MEMO]**