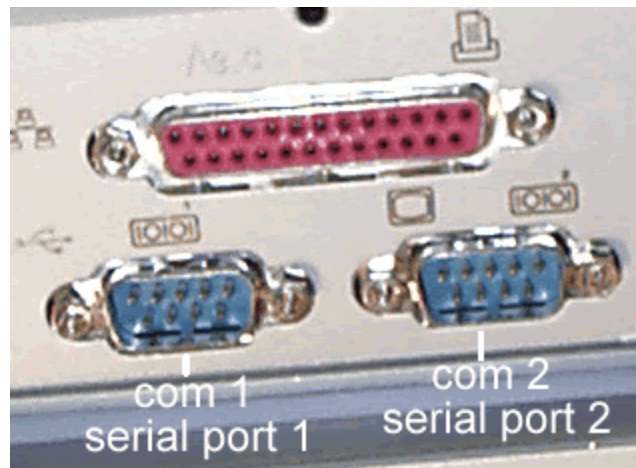




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## How test serial port by LoopBack method With Hyper Terminal

Documentation: 27/10/2009

Our Internet site: <http://www.billproduction.com/>

Email: [info@BillProduction.com](mailto:info@BillProduction.com)

## GENERAL INFORMATION

This documentation will help you to test your computer “Serial port” by yourself. If some hardware that use serial port connected to your computer does not function properly, comport test is the First step that you should do as this method is Very Easy to Test it.

### **How to test serial port RS232 Connection step-by-step ?**

This is call a loop back test method. NO NEED Any Software Install on your Computer !!!  
NO NEED any Hardware Interface on your Computer.

### **What is "Loop back test Method" ?**

"Loop Back tests can be performed by connecting the transmitter on the device to the receiver on the same device"

### **Why we should to do this method ?**

When the interface hardware device have some problem occurs or hardware function not properly. You can't test your Hardware because you don't sure computer port working properly. This method is Easy way to Troubleshooting by yourself.

### **How to ?**

This method will send and receive data in same port call “LOOP BACK TEST”.  
We use HyperTerminal Software to Send and receive data  
Available in your standard software in Window XP.

## **Hardware Requirement (Nothing)**

## **Software Requirement (HyperTerminal)**

## **Skill Requirement (Nothing)**

**Use this documentation at your own risk**  
**We take no responsibility for anything that happens to your equipment**

### **Step #1 (Prepare)**

Find something connect (Short or Link) your target com port (DB9 Pin) somebody call Serial Port Pin 2-3. Shutdown your Computer Use it short Pin 2-3 (Pin 2-3 only - Be careful short other Pin Use a bunch, or Paper clip).



Shutdown your Computer Use it short Pin 2-3

**(Pin 2-3 only - Be careful short other Pin)**



**Pin 2-3 Short example**

## Step #2 ( Run Hyper Terminal program)

Start up the computer  
Close all software

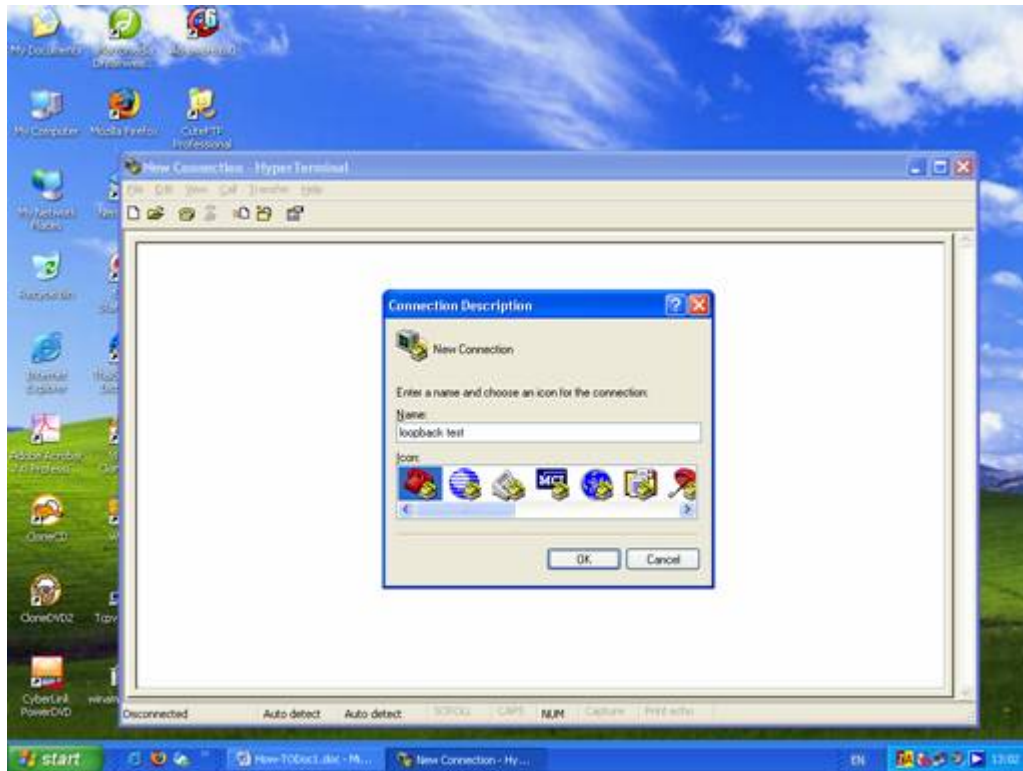
Run Hyper Terminal Software:

Start Menu > Program > Accessories > Communication > Hyper Terminal Program

If you don't see HyperTerminal Program got to Microsoft download and download it.



### Step #3 (Hyper Terminal setup)



Enter in Connection name: [loopback test](#)

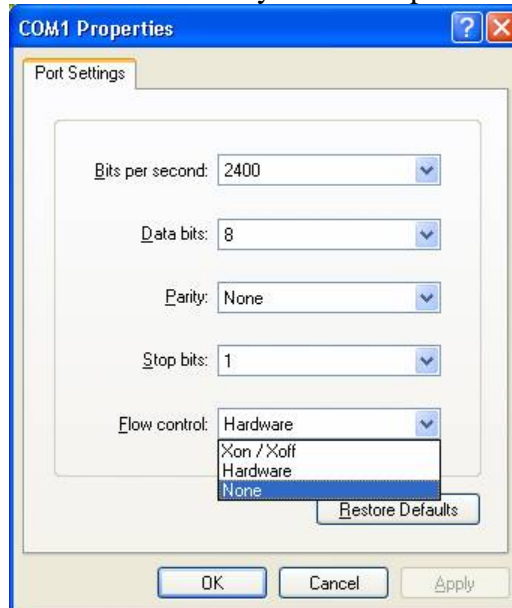
### Step #4 (Hyper Terminal connection setting)

Select target com port to test (COM1, COM2, COM3, COM4 ...)



Use this configuration:

Bits per second: 2400 Data bits: 8 Parity: None Stop bits: 1 Flow Control: None



## Step #5 (Test serial port)

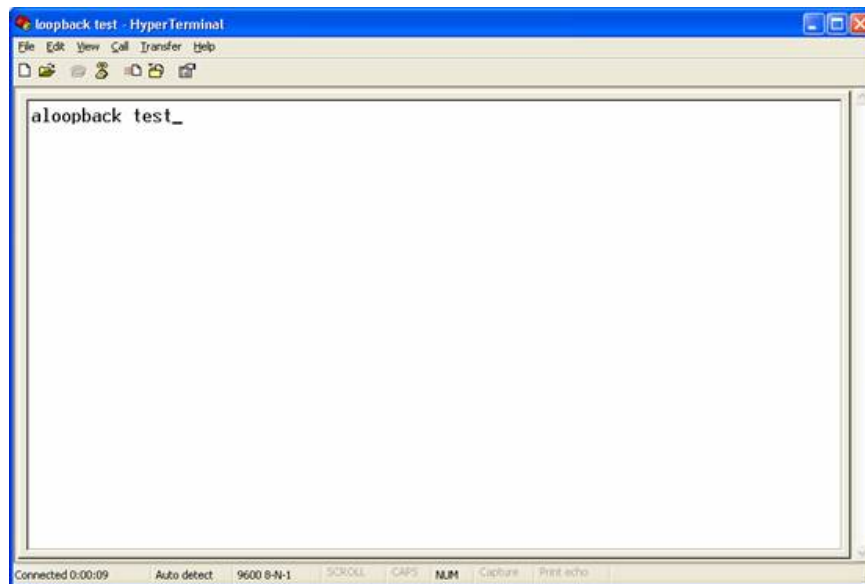
Press any key ... on keyboard ...

If what you type appear on your Hyper Terminal then your serial port working properly !

If you don't see what you type on Hyper Terminal screen then, shutdown the computer and double check your Comport Pin 2-3 loopback.

Important: Don't short other pin

Test this method again



**If the problem persist then your serial port is probably defect !**

**Call your computer reseller**



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