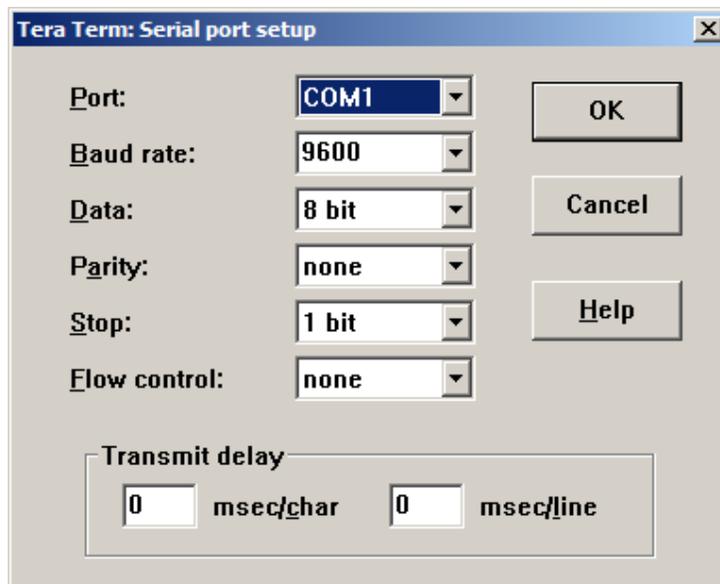


Replacing the SBC2700/5500 in an HCU400/1500 with a SBC2500

(This guide is for initial SBC2500 configuration. If you plan to move this SBC to a HCU other than the initial unit for which it was intended and configured, contact JDSU Technical Support for instructions on how to update the serial number and HCU type)

1. Power down the HCU and disconnect the AC power cord.
2. **Make certain you are properly grounded using the included static wrist strap. IMPROPER GROUNDING CAN LEAD TO DAMAGE ON THE NEW SBC2500.**
3. Remove the card guide lock bar.
4. Remove the guard bar that holds the SBC in place.
5. Remove the old SBC
6. **Revisit step #2**
7. Carefully insert the new SBC2500 making certain that it is lined up in the card guides correctly and snaps securely into place. Tighten both screws.
8. Replace the guard bar that holds the SBC in place.
9. Reconnect the AC power cord
10. Using a null modem RS-232 serial cable and the included micro RS-232 adapter, connect a PC to the micro RS-232 port on the SBC2500
11. Use the following settings for your communications program. (HyperTerminal, TeraTerm, ect.)



12. Switch on the HCU.
13. Type h when the following output is shown during boot "Autoboot in 3 seconds (hit 'h' to stop)".
14. Run the following commands to configure the network.
 - a. `setenv ipaddr 192.168.1.2` -- This sets the IP address of HCU
 - b. `setenv netmask2 ffffff00` -- This is the hex equivalent of desired netmask e.g. 255.255.255.0 => ffffff00
 - c. `setenv gatewayip 192.168.1.1` -- This is the default gateway address for the HCU
 - d. `saveenv` -- This saves the config
 - e. `reset` -- This reboots the HCU and starts VxWorks
15. After VxWorks is booted (do not hit "h") you must set the HCU serial number. When you see this:

```
Please set the HCU serialNumber 'SetSerialNumber "serial number"'
For example 'SetSerialNumber "0123456"'
```

->

Type the following:

- a. `SetSerialNumber "1234567"` at the -> prompt
 - i. Quotes are required around the serial number
 - ii. Serial number should be 7 digits

16. That should produce this response:

```
Successfully set HCU serial number. Use 'loadHcu' to start application.
value = 72 = 0x48 = 'H'
-> █
```

Type the following:

- a. `loadHcu` at the -> prompt

17. Now you must set the HCU model number. 400 or 1500. When you see this:

```
Please set the HCU type 'SetHcuType <400/1500>'
For example 'SetHcuType 1500'
value = 30 = 0x1e
-> █
```

Type the following:

- a. `SetHcuType 400` at the -> prompt (1500 if it is a HCU1500)

18. You should see something like this:

```
copying file /sd0:1/HcuFolder/Firmware/HCU/HCUAPP_400.out -> /sd0:1/HcuFolder/Fi
rmware/HCU/HCUAPP.out
Successfully set HCU type. Use 'loadHcu' to start application.
value = 0 = 0x0
->
```

Once again, type the following:

- a. `loadHcu` at the -> prompt

19. Replace the card guide lock bar.

20. Connect the network cable to the **GENET2** port.

21. If an HSM1000 was previously in use, disconnect the micro RS-232 adapter from the null modem cable (PC) and connect it to the cable on the HSM1000.

22. Power down both units.

23. Power up the HSM, once the red LED is solid, power up the HCU.

24. Once the red LED goes out, add the HCU to the PathTrak server using normal procedure.