

Tech Note 1113: Modifying Telnet on a Trafficware 2070-1C CPU

This TecNote reviews the steps to be taken on how to disable telnet on a Trafficware 2070-1C CPU. For security reasons, some customers may want to disable the Telnet services on Trafficware 1C cards which the Linux operating system. This can be accomplished by editing a Linux Operating system configuration file on the card.

Disabling Telnet via the Linux OS

- 1) Attach a serial cable to the C50 (SP4) port on the front panel of the 2070. The wiring of this cable is shown below.

PC to 2070 Cable Setup

The following is a diagram outlining the pin-outs for a cable connecting the 2070 C50 connector to the comm. port of your PC or laptop.

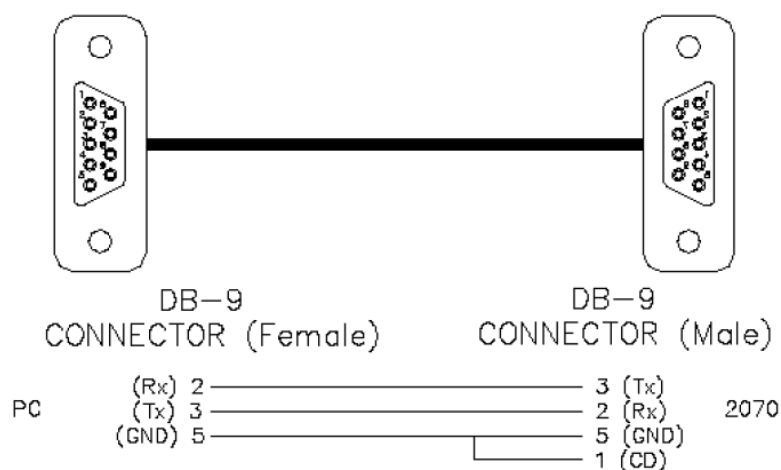


Figure 6: PC to 2070 Connector setup

- 2) On your PC or laptop, launch Teraterm, Hyperterm, Procomm, Putty or any other serial terminal program.
- 3) Configure the serial port interface on that program for 38400 baud, no parity, 8 data bits, and 1 stop bit (e.g. 38400-N-8-1).
- 4) Power down the 2070.
- 5) Hold down the backspace key on the PC keyboard while powering on 2070. You should see a command prompt (" #") in the serial console of the PC serial terminal program. You can release the backspace key. The screen that is shown on the PC should resemble the lines below:

```
Bootcount: 1
Single User Mode Selected
AutoBoot [1]: bootcmd, bootargs
#
```

- 6) Enter these commands, in the order shown below to the 2070 via the serial terminal interface program.

```
mount /proc
mount -a
mount -o remount,rw /
sed -i 's/^telnet/#telnet/' /etc/inetd.conf
mount -o remount,ro /
sync
reboot
```

- 7) The 2070 should automatically power off and on.
- 8) The telnet services will not be running. The change is permanent.

Enabling Telnet via the Linux OS

- 1) Attach a serial cable to the C50 (SP4) port on the front panel of the 2070.
The wiring of this cable is shown in the above section.
- 2) On your PC or laptop, launch Teraterm, Hyperterm, Procomm, Putty or any other serial terminal program.
- 3) Configure the serial port interface on that program for 38400 baud, no parity, 8 data bits, and 1 stop bit (e.g. 38400-N-8-1).
- 4) Power down the 2070.
- 5) Hold down the backspace key on the PC keyboard while powering on 2070. You should see a command prompt (" #") in the serial console of the PC serial terminal program. You can release the backspace key. The screen that is shown on the PC should resemble the lines below:

```
Bootcount: 1
Single User Mode Selected
AutoBoot [1]: bootcmd, bootargs
#
```

- 6) Shown To undo the changes and enable Telnet services again, get a serial prompt as above, and enter the following commands.

```
mount /proc
mount -a
mount -o remount,rw /
sed -i 's/^#telnet/telnet/' /etc/inetd.conf
mount -o remount,ro /
sync
reboot
```

- 7) The 2070 should automatically power off and on.
- 8) Telnet services will be running.

Summary

By following this procedure, you will be able to disable or enable telnet services on a 2070-1C Linux CPU.