

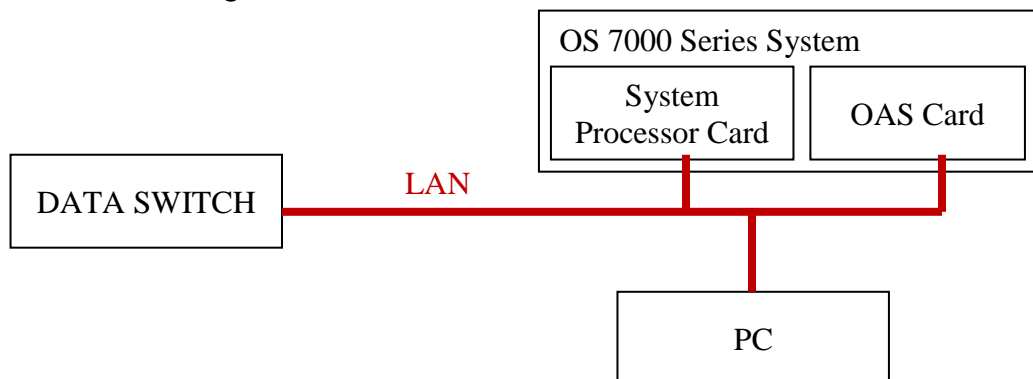
OAS Card V2.01 Upgrade Process

CAUTION: This process assumes that you are experienced working with computers and data networks. If you are not comfortable working with PCs and data networks it is recommended that you stop and seek assistance with the upgrade process from Samsung Technical Support or another experienced technician familiar with the process.

NOTE: This process assumes you have HyperTerminal installed on your PC. The upgrade can be performed with any terminal emulation program or from a DOS prompt, but exact steps used and displays seen may vary slightly.

WARNING: The system main processor (MP10/MP10a/MP20S/MCP/MP20/MP40)) must be running V4.4x or higher software in order for a V2.01 OAS card to boot up. The system main processor must be running V4.3x software in order for a V1.00 OAS card to boot up. This upgrade process can be performed in a V4.30i system, but the OAS card will become stuck in an infinite reboot sequence after the upgrade has completed. It is therefore strongly recommended that you only upgrade OAS cards after upgrading the system to V4.4x or higher software even though the OAS V1.00 card will never fully boot with the V4.4x software.

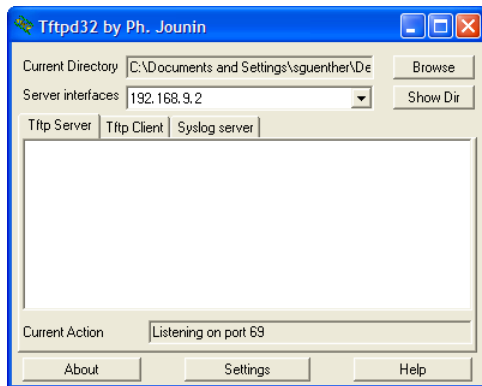
1. Connect a PC, the system processor card, and the OAS card to a common LAN (similar to the following):



2. Create a folder on the PC desktop called "Upgrades"

NOTE: This isn't a requirement; it is simply a recommendation to keep software upgrades organized.

3. Unzip the OAS_V201_(090826).zip file (obtained from the GSBN) to this folder
4. Open the Upgrades folder, locate the "tftpd32" file, and double-click it to run the TFTP server
5. You should see the following window:



6. The TFTP server is now configured and ready to receive update requests. Make note of the IP address displayed in the "Server interfaces" text box.
7. Power up the OS 7000 Series system
8. In **MMC 830** set the system IP address to an address on the same network as the PC (if not already configured).

NOTE: If changes were made you will need to reboot the system for changes to take effect.

9. In **MMC 831** set the OAS card IP address to an address on the same network as the PC and system processor card (if not already configured).

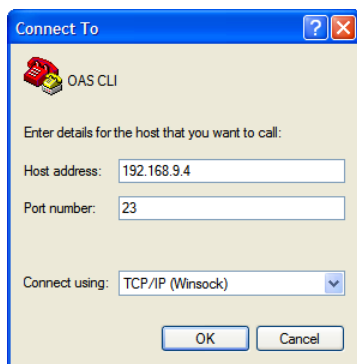
NOTE: If changes were made you will need to reboot the OAS card for changes to take effect.

10. After setting/verifying the IP addresses open HyperTerminal on the PC

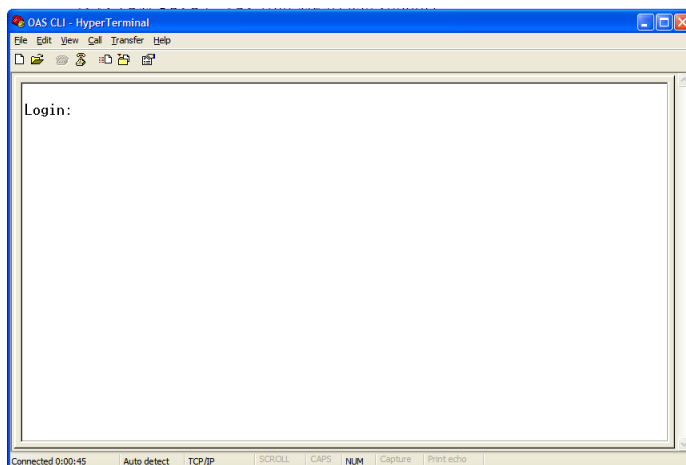
11. Create a new connection called "OAS CLI"



12. Set "Connect using" to "TCP/IP (Winsock)" and enter the OAS card IP address in the "Host address" field



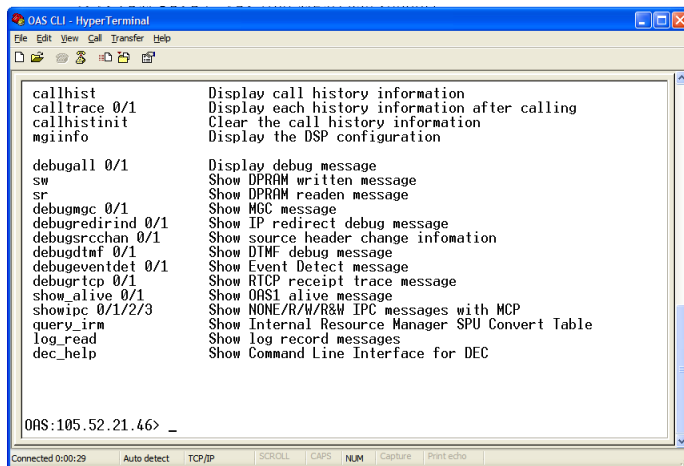
13. Click **OK** to connect to the OAS card. You should be presented with a "Login:" prompt



14. Enter the username "mgi" and press enter

15. At the "Password:" prompt enter "mgi12345"

16. The main login menu is displayed



```
OAS CLI - HyperTerminal
File Edit View Call Transfer Help
callhist      Display call history information
calltrace 0/1 Display each history information after calling
callhistinit  Clear the call history information
mgiinfo       Display the DSP configuration

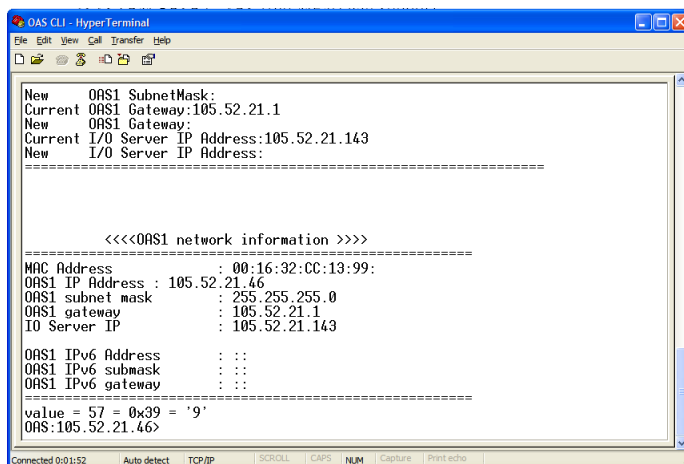
debugall 0/1  Display debug message
sw         Show DPRM written message
sr         Show DPRM readen message
debugmgc 0/1  Show MGC message
debugredirind 0/1 Show IP redirect debug message
debugsrcchan 0/1 Show source header change infomation
debugdtmf 0/1  Show DTMF debug message
debugeventdet 0/1 Show Event Detect message
debugrtcp 0/1  Show RTCP receipt trace message
show_alive 0/1  Show OAS1 alive message
showipc 0/1/2/3 Show NONE/R/W/R&W IPC messages with MCP
query_irm    Show Internal Resource Manager SPU Convert Table
log_read     Show log record messages
dec_help     Show Command Line Interface for DEC

OAS:105.52.21.46> _
```

17. Type the command “allset” and press enter.

18. You will be prompted to enter the OAS card IP address, subnet, and gateway. If the displayed values are correct you do not need to type anything; simply press enter to confirm.

19. You will then be prompted to enter the “I/O Server IP Address”. This is the IP address of the PC (which is shown in the “Server interfaces” field of the TFTP application shown in step 5). Enter the IP address and press enter.



```
OAS CLI - HyperTerminal
File Edit View Call Transfer Help

New OAS1 SubnetMask:
Current OAS1 Gateway:105.52.21.1
New OAS1 Gateway:
Current I/O Server IP Address:105.52.21.143
New I/O Server IP Address:
=====

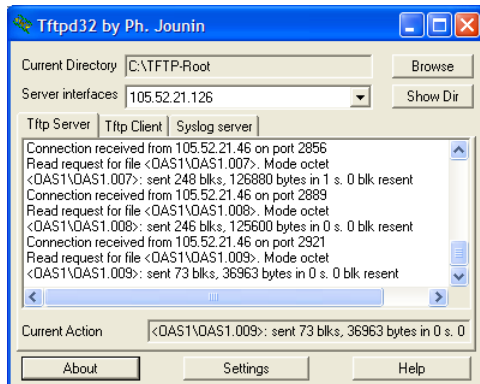
<<<<OAS1 network information >>>>
=====
MAC Address      : 00:16:32:CC:13:99:
OAS1 IP Address  : 105.52.21.46
OAS1 subnet mask : 255.255.255.0
OAS1 gateway     : 105.52.21.1
IO Server IP     : 105.52.21.143

OAS1 IPv6 Address : ::
OAS1 IPv6 submask : ::
OAS1 IPv6 gateway : ::

value = 57 = 0x39 = '9'
OAS:105.52.21.46>
```

20. When the above screen is displayed type the command “reboot” to restart the OAS card and perform the upgrade. ***This will cause HyperTerminal to disconnect.***

21. You should see activity from the TFTP application window as the files are downloaded by the OAS card.



22. After approximately 45 seconds the OAS card upgrade will be complete. Go to **MMC 727** to verify that the software version of the OAS card shows **"09.08.26 V2.01"**.