

## Choosing the Right Video Card

Soft-ICE for Windows uses a text screen as its debugging interface. In order to be able to switch back and forth between the graphics interface of Windows and the text screen, Soft-ICE for Windows must be able to save off certain registers of your video card and restore them when returning to Windows. The drivers provided with Soft-ICE for Windows are COMPAQ QVision, SVGA and VGA. If you have a QVision card, select this driver. The SVGA driver supports the following video cards and chipsets in their native video modes:

ATI 18800,28800 rev1-6,38800(Mach8),68800(Mach32)  
ATI EGA Wonder+ 18800  
ATI VGA Wonder  
ATI VGA Edge  
ATI VGA Edge-16  
ATI VGA Wonder+ 28800  
ATI 8514-Ultra 38800(Mach8)  
ATI Ultra  
ATI Vantage  
ATI Graphics Ultra  
ATI Graphics Vantage  
ATI Graphics Ultra Pro 68800(Mach32)  
ATI Graphics Ultra+  
Cirrus Logic 610,620,6410,54xx  
Diamond Stealth 24 S3 911  
Diamond Stealth 32 ET4000/W32p  
Diamond Stealth Pro S3 928  
Diamond Stealth 64 S3 964  
Diamond Viper VLB ( older boards )  
Oak 037,067,077,087  
Paradise PVGA 1A,1C,1D,1F,WD90Cxx  
S3 911/924/928/801/805/864/964  
STB Lightspeed ET4000/W32p  
Trident 8800,8900,9000,9200/9400(CXr & CXi)  
Tseng Labs ET3000,ET4000,ET4000/W32p  
Video7 V7VGA,HT208,HT209,HT216,HT216-32  
Video7 VRAM V7VGA  
Video7 1024i HT208  
Video7 VRAM II HT209  
Weitek 5186/Power 9000

If you have one of the above cards, simply select the SVGA driver. If you do not have one of the above cards, select the VGA ( VGA.DRV ) from the list choice. You will then have to do one of the following: run [Windows in Standard VGA Mode](#), run on a [Serial Terminal](#), or run on a [Monochrome Monitor](#).

See also:

[Running Windows in VGA Mode](#)  
[Serial Terminal](#)  
[Monochrome Monitor](#)

## Serial Terminal

One of Soft-ICE for Windows most powerful features is to allow you to debug over a serial line to a remote PC. To do this, perform the following steps:

- 1 - Put the COMx keyword in WINICE.DAT. x is the com port you will be using.
- 2 - Run SERIAL.EXE on the remote machine.
- 3 - Put SERIAL ON in the INIT line of [WINICE.DAT](#).
- 4 - Run WINICE and the fastest baud rate will be determined.

The two machines must be connected with a NULL Modem cable. For exact pin configuration, please read SERIAL.HLP located on the Nu-Mega Bulletin Board. For more details see the SERIAL command on page 251 of the Soft-ICE for Windows User Guide.

## Monochrome Monitor

As always, Soft-ICE for Windows provides you the means to run the debugger on a monochrome screen. If you want to do this, place ALTSCR ON in the INIT line in your [WINICE.DAT](#) file. This will override all other video choices and Soft-ICE will pop up on the monochrome screen. For more information on the ALTSCR command, please refer to the Soft-ICE for Windows user manual.

## **Running Windows In VGA Mode**

To run Windows in VGA mode using the Windows VGA driver, VGA.DRV, you must run SETUP.EXE from the Windows directory. From there, change the video display, selecting the driver VGA.DRV.

## **WINICE.DAT**

WINICE.DAT is a configuration file found in the Soft-ICE for Windows directory. This file contains information about key assignments, a command string and programs that might need to be loaded.

