

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.

