StoreNext

Technical Bulletin

TeamPoS 2000 S-Class Second Video Installation

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The following pages outline the method for installing the Diamond Stealth S60 video card into the TeamPoS 2000 S-Class for use with a second monitor. This card supports DVI as well as analog displays, providing additional installation flexibility.

The Diamond Stealth S60 is not the only video card likely to work with the TeamPoS 2000S, but it is from a long-time reputable manufacturer and widely available for $35-$45. This board is now certified for use. StoreNext support will make best efforts to resolve any video issues that may arise with this card, but will not source, test or provide support on other cards.

This installation routine applies ***only*** to this specific card. It is not generic.

We have found that video cards typically take 32MB of the existing system RAM, even if they have substantial on-board video memory. This will often not leave the TeamPoS terminal with sufficient resources to reliably run ISS45 with the typical graphics and AVI files usually associated with dual video. It is therefore important that you order 90000159K – an additional 128MB of RAM – for each TeamPoS 2000 S where you plan to use dual video.

- This part fits into the second RAM slot and matches the 128MB memory module that is supplied with the S-Class.
- The price of this part has been reduced to provide this part at reasonable cost.
- You may be able to get the terminal up and running without the extra RAM, but unpredictable errors are more likely to occur after live installation. Or, the software could be right on the edge of RAM use, and a later updated version of the POS software, features chosen (e.g. new promotions) or changes in use (such as adding AVI files to the shopper display) would cause these random failures.
- It is strongly recommended that you ***not*** source 128MB modules locally. Regardless of quality, there are many minor differences between memory modules (even if they have identical specifications and are perfectly "standard") that can keep them from working smoothly together or with the TeamPoS terminal. The resulting problems would take the form of lockups and random errors that cannot reliably be replicated. StoreNext will not support these configurations.

Do not expect the same video and scanning performance with this S-Class configuration as is available with the much faster TeamPoS 2000 M class terminals.

To Your Success,

Larry

Larry Lark
Technical Specialist

TeamPoS 2000 S Second Video Card Installation

Diamond Stealth S60

0.1. Second Video Card Installation

NOTE: The video card documented here is the Diamond Stealth S60 Featuring Radeon 7000 PCI with DVI/VGA connections (Model #: S60PCI64 UPC# 757448004397)

0.1.1. Diamond Stealth S60 Installation

0.1.1.1. Shutdown and unplug the power cable on the TeamPos 2000 S

0.1.1.2. Install the PCI video card into the PCI slot closest to the motherboard

0.1.1.3. Plug your second VGA/DVI monitor on the VGA or DVI connector on the video PCI card

0.1.1.4. Turn on the computer and enter the CMOS by hitting the [Delete] key on the keyboard

0.1.1.5. CMOS Settings

0.1.1.5.1. Standard CMOS Features screen

- Video [EGA/VGA]

0.1.1.5.2. Advanced BIOS Features screen

- Video BIOS Cacheable [Disabled]
- C8000-CBFFF Shadow [Disabled]
- CC000-CFFFF Shadow [Disabled]
- D0000-D3FFF Shadow [Disabled]
- D4000-D7FFF Shadow [Disabled]
- D8000-DBFFF Shadow [Disabled]
- DC000-DFFFF Shadow [Disabled]

0.1.1.5.3. Integrated Peripherals screen

- Init Display First [PCI Slot]

0.1.1.5.4. PnP/PCI Configuration screen

- PCI/VGA Palette Snoop [Disabled]
- Assign IRQ For VGA [Enabled]

0.1.1.5.5. Save & Exit Setup

NOTE: You will see the diagnostics on the VGA/DVI monitor connected to the PCI card and then windows will show up on the VGA monitor connected to the VGA on the motherboard (You may get an OUT OF RANGE on the DVI D15 monitor at this point)

0.1.1.6. Windows will detect the new hardware and the Found New Hardware Wizard screen will be showing

0.1.1.7. The message "Can Windows connect to Windows Update to search for software?" is displayed

0.1.1.7.1. Click on the "No, not this time bullet" and then click [Next]

0.1.1.8. The message "What do you want the wizard to do?" is displayed

0.1.1.8.1. Click "Install the software automatically [Recommended] and then click [Next]

0.1.1.9. The display showing "Cannot Install the Hardware" is showing at this point. Click [Finish]

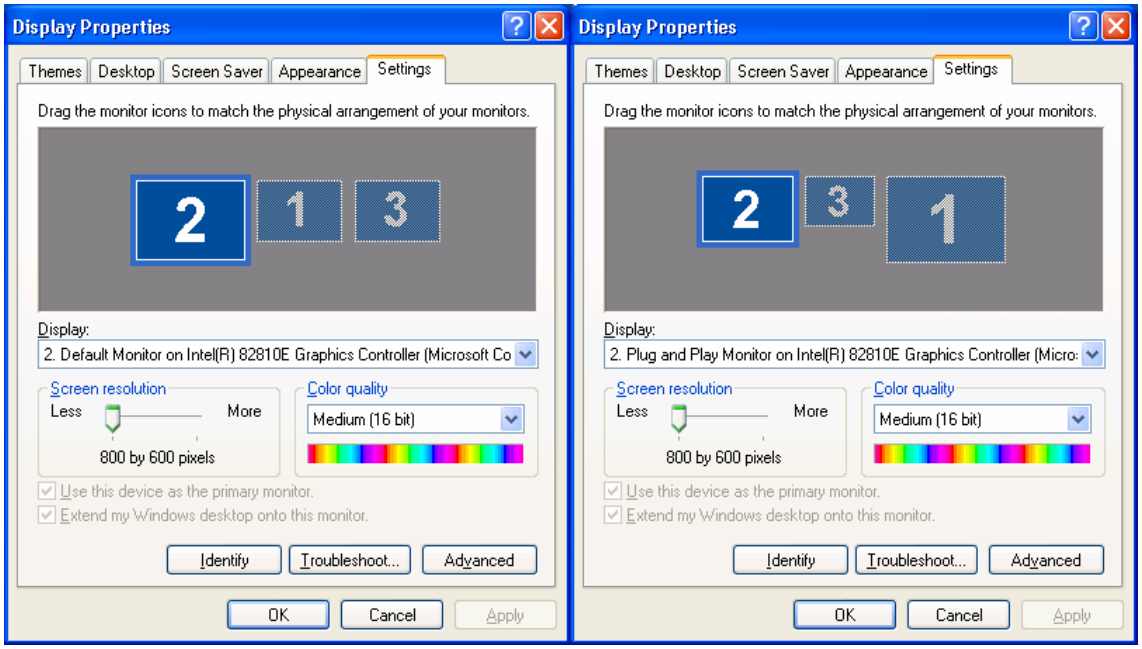
NOTE: You will get an error indicating that the hardware may not work but this is correct at this point in the installation

0.1.1.10. Install the installation CD that came with the Stealth Video card
0.1.1.10.1. Wait for the installation menu to appear

0.1.1.11. Select the Install Video Driver button on the main menu and the installation wizard will appear
0.1.1.12. Click the [Next] button to start the wizard
0.1.1.13. Click [Yes] to the license agreement
0.1.1.14. Click the Express: Recommended button
0.1.1.15. The ATI XP driver is installed followed by the ATI Control Panel
0.1.1.16. Wait for the Setup Complete Menu and click "Yes, I want to restart my computer now." and then click on [Finish]
NOTE: The computer will restart showing the diagnostic screen on the PCI VGA/DVI monitor, the Windows startup screen and then the motherboard VGA monitor will come up with the PCI VGA/DVI monitor blank at this point (It may show as Out of Range)

0.1.1.17. You will get a warning that ATI Control Panel failed to initialize because no ATI driver installed. Click [OK]
NOTE: This is normal at this point because the new PCI VGA/DVI has yet to be enabled

0.1.1.18. Right click on the desktop and select Properties
0.1.1.19. Select the Settings Tab and one of the following screens is displayed



0.1.1.20. Click on Monitor 2 (VGA on the motherboard)

0.1.1.20.1. Set it to 800 by 600 pixels and Medium (16 bit)

0.1.1.21. Click on monitor 1 (VGA/DVI) on the PCI card

0.1.1.21.1. Set it to 800 by 600 pixels and Medium (16 bit)

0.1.1.21.2. Click the box "Extend my Windows desktop onto this monitor"

0.1.1.21.3. Click [Apply]

0.1.1.22. Monitor 1 (VGA/DVI) on the PCI card should be active at this point

NOTE: If you are using the DVI connection and want that to be the primary monitor follow the steps below

0.1.1.23. To make the DVI monitor the primary monitor

0.1.1.23.1. Click on monitor 1 and the box Use this device as the primary monitor then click [Apply]

0.1.1.23.2. Click on monitor 2 and uncheck the box Extend my Windows desktop onto this monitor then click [Apply]

NOTE: This will move all the desktop ICONS over to monitor 1

0.1.1.23.3. Click on monitor 2 and check the box Extend my windows desktop onto this monitor then click [Apply]

0.1.1.24. Restart the Computer

NOTE: You will see the diagnostic screen on the PCI monitor followed by the Windows Logo screen then both monitors should come up as dual displays

0.1.1.25. The screen to register will pop up but just click on never remind again and close the screen

0.1.1.26. Installation and setup is complete at this point