
Release Notes for the Silicon Graphics® 550 Visual Workstation

Caution: Systems pre-installed with Windows NT Workstation 4.0 also include the latest Service Pack available at the time of shipment. Should you need to re-install Windows NT Workstation 4.0 on your system, please use the provided Windows NT Workstation NT 4.0 media. Although a Service Pack CD is included in your Windows NT Workstation 4.0 media kit shipping with your system, please DO NOT use this. Instead, please refer to the following URL <http://www.microsoft.com/downloads/>.

Systems shipped with Linux preinstalled may contain patches. These patches can also be downloaded from the SGI Supportfolio site at <http://support.sgi.com/linux/downloads/>. After downloading the patch, follow the instructions in the README file for information on properly reinstalling your system software.

1. If your system will not boot-up after unpacking it for the first time, the problem may be an unseated graphics card. To properly seat the graphics card you should turn off the system and unplug the system from the power source before removing the side panel as described in the Owner's Manual. Once the side panel has been removed you should follow all electrostatic discharge (ESD) precautions as described in your Owner's Manual before gently pushing the AGP (Graphics) card to make sure that it is fully seated in the motherboard. Once you have seated the AGP card, replace the side panel as described in the Owner's Manual, plug in the system, and boot-up.
2. Customers that purchase no-OS based 230, 330 and 550 Visual Workstations with either V7 or VR7 graphics cards will be unable to load with SuSe 6.4. The graphics drivers currently do not support the installation of SuSe 6.4 and we are working on a software fix. When available, the software fix will be posted on <http://support.sgi.com>.
3. The SGI Resource CD for Windows NT only works with Internet Explorer 3.0 or newer versions. It does not work with older versions.

4. 10,000 RPM hard disk drives should not be installed in the 3.5 inch drive bay above the floppy disk drive. You can install 10,000 RPM drives in any other available drive bay.
5. A 3.5 inch hard disk drive can be installed in any available upper 5.25 inch drive bay if you use the set of metal brackets and hardware provided to convert the bay.
6. The 450 watt power supply can auto-detect either 110V or 220V power sources.
7. For single CPU configurations on the Silicon Graphics 550 Visual Workstation, the installed NT 4.0 kernel only supports a single processor. When upgrading to a two-processor configuration, the Windows NT operating system must be re-installed.
8. There is no built-in NVIDIA NV10GL (VR3) driver from Red Hat® v6.2. In order to use graphical logon, temporarily select "NVIDIA GeForce DDR (generic)" with maximum memory 16384k during Red Hat® installation. After the installation, it is highly recommended you to install SGI ProPack 1.3 for Linux – Visual Workstation Edition or later.
9. The latest drivers can be downloaded from
<http://support.sgi.com/linux/downloads/>
10. The system power button has two modes of operation, Turn Off Immediate and Suspend. Although the system BIOS has an option for selecting one of these two operating modes, the BIOS will initiate a power-down (Turn Off Immediate) sequence whenever the power button is depressed.
 - If you are using an operating system that does not support ACPI, all suspend modes will be handled by the BIOS if the suspend mode was enabled.
 - If you are using an operating system that supports ACPI or Suspend and Sleep modes, the LED located in the front panel will flash when the ACPI modes are initiated. To resume system operation, depress the power button once more and the system will come back to the last known state. The LED will stop flashing and will remain lit.
11. To facilitate the installation of the Windows NT operating system on a blank SCSI hard disk drive you should follow these instructions.
 - Boot the system from the NT CD.
 - As soon as the system starts to boot and you see this message, "Setup is inspecting your computer's hardware configuration...", depress the F6 key immediately. You will then be asked to specify additional drivers. Insert the provided Adaptec drivers diskette and select the appropriate Adaptec U3 driver.
 - Continue as you normally would for NT installation.

12. Follow this Networking Setup procedure when installing the Windows NT Operating System:

Once the setup for Windows NT has begun, you will be prompted to setup Windows NT Networking. During setup, the software tries to locate the Ethernet adapter in the system. You must now install the SGI Networking Drivers for the Microsoft Windows NT Operating System. To do this:

- Click on the `Select From List` button in the `Search for the Network Adapters` window. A list of network adapters displays.
- Click on the `Have Disk` button.
- Insert the Intel 82559 Driver SGI diskette and click `OK`. `Intel PRO Adapter` is highlighted in the `Select OEM Option` dialog box.
- Click `OK`. `Intel PRO Adapter` appears in the Networking Setup adapter list.
- Click `Next` to continue with Windows NT setup.

The following is a summary of the Power button LED indicator.

13. LED Indicator Summary

Green = Power on

Flashing Green = Suspend Mode On (which includes Standby and Hibernation).

Note: Windows NT 4.0 does not support ACPI feature. All suspend modes will be handled by the system BIOS.

No Light = System completely off

14. RIMM Configurations

The Silicon Graphics 550 Visual Workstation has four RIMM slots and supports a maximum of 512MB PC800 RDRAM per RIMM slot.

Please follow the rules listed below when installing memory modules.

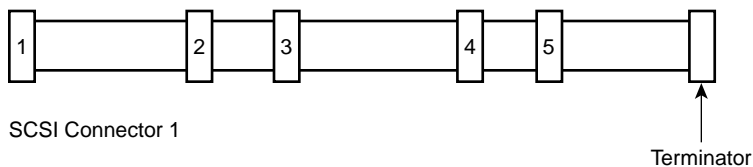
- Memory must be installed in pairs. RIMM locations RM1 and RM3 must be used together. Likewise, RIMM locations RM2 and RM4 must also be used together.
- The memory size for RIMM location RM1 must be equal to RIMM location RM3 (RM1=RM3). The memory speeds must also be the same.

- The memory size for RIMM location RM2 must be equal to RIMM location RM4 (RM2=RM4), if applied. The memory speeds must also be the same.
- When installing memory in all four RIMM slots, it is recommended that larger sized memory should be installed in locations RM1 & RM3, and smaller sized memory should be installed in locations RM2 & RM4. The memory size of RM1 must equal RM3, and, RM2 must equal RM4.
- The CRIMM (terminator) must be used for empty RIMM slots.

15. SCSI Cable Routing

If you have more than one hard disk installed in your system, we highly recommend you follow the procedures, table, and configurations described below. In this configuration, we are assuming that you use only one SCSI channel.

HDD configuration (# of HDDs)	HDD(s) location	HDD(s) SCSI ID's	SCSI connector attachment
1	Bottom of 3.5" drive bay	0	SCSI connector 2
2	Top of 3.5" drive bay	1	SCSI connector 3
3	Top of 5.25" drive bay	2	SCSI connector 4
4	Bottom of 5.25" drive bay	3	SCSI connector 5



SCSI cable with terminator