

Installing a New Operating System to a Non-RAID System with the ITE IDE Controller

This chapter describes the Windows OS and the Linux Red Hat OS Installation Instructions for a Non-RAID system with the ITE IDE Controller installed. To install a new operating system to a system with RAID Settings, please refer to our documentation on the Intel HostRAID Configuration or the Adaptec HostRAID Setup Guidelines posted on our web site @ www.supermicro.com

1. Installing a New Windows OS to a Non-RAID System

1. Insert the Microsoft Windows XP/2000/2003 Setup CD in the CD Driver, and the system will start booting up from CD.
2. Press the <F6> key when the message-" Press F6 if you need to install a third party SCSI or RAID driver" displays.
3. When the Windows XP/2000/2003 Setup screen appears, press "S" to specify additional device(s).
4. Insert the driver diskette- "ITE RAID XP/2000/2003 Driver for IDE" into Drive A: and press the <Enter> key.
5. Press the <Enter> key to continue the installation process. (If you need to specify any additional devices to be installed, do it at this time.) Once all devices are specified, press the <Enter> key to continue with the installation.
6. From the Windows XP/2000/2003 Setup screen, press the <Enter> key. The XP/2000/2003 Setup will automatically load all device files and then, continue the Windows XP/2000/2003 installation.
7. After the Windows XP/2000/2003 OS Installation is completed, the system will automatically reboot.



Note: The Current version of the ICH7R/ICH9R SATA RAID Utility can only supports the Windows XP/2000/2003 OS.

2 Installing the Linux (Red Hat) OS to a Non-RAID System by Using an IDE CD-ROM



Note: Before installing a new Red Hat OS, be sure to check the compatibility list on our web site for the specific kernels supported by your motherboard.

Before System Boot

1. Make an ITE IDE driver disk by copying the driver files from our FTP site at ftp.supermicro.com to a floppy disk.
2. Insert the Red Hat Enterprise Linux (RHEL) Boot CD into the CD-ROM.

During System Boot

3. When the Power-On-Self Test (POST) begins, press the key repeatedly to enter the BIOS Setup utility.
4. Go to the Boot menu. Following the instructions given on the right side of screen, select your CD-ROM as Item Number 1 item in the boot sequence.
5. Go to the Exit menu, select Save and Exit and press <Enter>, or press the <F10> key on the keyboard to save the changes and reboot the system.
6. Type in the command "linux dd" at the prompt.
7. A pop-up window appears, displaying the message, "Do you have a driver disk?" Select Yes.
8. When prompted for the first driver disk, insert the ITE IDE driver disk which you've created on Step 1 into the dev/fd0 drive.
9. When prompted for loading more driver disks, select No, and continue with the installation process.
10. Choose your disk volume, and finish the installation setup procedures. Then, continue with the Red Hat OS installation as instructed.

3 Installing a New Windows OS to a System with SATA RAID Configuration by Using IDE CDROM

1. Insert the Microsoft Windows XP/2000/2003 Setup CD in the CD Driver, and the system will start booting up from CD.
2. Press the <F6> key when the message-" Press F6 if you need to install a third party SCSI or RAID driver" displays.
3. When the Windows XP/2000/2003 Setup screen appears, press "S" to specify additional device(s).
4. Insert the driver diskette- "ITE RAID XP/2000/2003 Driver for IDE" into Drive A: and press the <Enter> key.
5. Press the <S> key, specify the RAID driver and continue the installation process.
6. Insert the driver diskette-"Intel AA RAID XP/2000/2003 Driver for ESB2 or ICH7R/ICH9R" into Drive A: and press the <Enter> key.
7. Choose the Intel(R)82801GR/GH SATA RAID Controller from the list indicated in the XP/2000/2003 Setup Screen, and press the <Enter> key.
8. Press the <Enter> key to continue the installation process. (If you need to specify any additional devices to be installed, do it at this time.) Once all devices are specified, press the <Enter> key to continue with the installation.
9. From the Windows XP/2000/2003 Setup screen, press the <Enter> key. The XP/2000/2003 Setup will automatically load all device files, and then continue the Windows XP/2000/2003 installation.
10. After the Windows XP/2000/2003 Installation is completed, the system will automatically reboot.
11. Insert Supermicro's CD that came with the package into the CD Drive during system reboot, and the following screen will appear.

4 Installing the Linux (Red Hat) OS to a System with SATA RAID Configuration by Using an IDE CD-ROM



Note: Before installing a new Red Hat OS, be sure to check the compatibility list on our web site for the specific kernels supported by your motherboard.

Before System Boot

1. Make an ITE IDE driver disk by copying the driver files from our FTP site at ftp.supermicro.com to a floppy disk.
2. Create a SATA RAID driver disk by copying the SATA RAID driver from the Supermicro CD that came with your motherboard or download it from our FTP site.
3. Insert the Red Hat Enterprise Linux (RHEL) Boot CD into the CD-ROM.

During System Boot

4. When the Power-On-Self Test (POST) begins, press the key repeatedly to enter the BIOS Setup utility.
5. While in the BIOS Setup utility, go to the Main menu. On the SATA RAID Enable item, select Enabled and hit <Enter>. On the RAID Code Base item, select Adaptec and press <Enter>.
6. Go to the Boot menu and follow the instructions given on the right side of screen, select your CD-ROM as Item Number 1 item in the boot sequence.
7. Go to the Exit menu, select Save and Exit and press <Enter>, or press the <F10> key on the keyboard to save the changes, and reboot the system.
8. Upon rebooting, press <CTRL> and <A> to go to the Adaptec HostRAID Utility.
9. Set the Adaptec HostRAID settings to Optimal if you have not yet done so. Following the instructions given, create RAID settings as desired. Once done, exit the Adaptec HostRAID Utility and reboot the system.

After System Boot

10. After Adaptec HostRAID Configuration, a Linux Boot prompt will appear after system boot.
11. Type in the command `:linux dd` at the prompt.
12. A pop-up window appears, displaying the message, "Do you have a driver disk?" Select Yes.
13. When prompted for the first driver disk, insert the ITE IDE driver disk which you've created on Step 1 into the dev/fd0 drive.
14. When prompted for the next driver disk, select Yes.
15. Insert the SATA RAID driver disk created on Step 2. The screen showing Loading Adap... appears.
16. When prompted for loading more driver disk, select No, and continue with the installation process.
17. When the Red Hat software program finds the disk volume to install the OS to, it will show "Adaptec_RAID1".
18. Choose your disk volume, and finish the installation setup procedures. Then, continue with the Red Hat OS installation as instructed.

Note