



Xtore WSS BIOS Re-Flash (Upgrade) User's Guide Last update: Sep-3rd-2004

This user's guide provides instructions for the BIOS re-flash (upgrade) of Xtore WSS products, as the following models list:

1. [XN-004S-T1 series Tower 4-bay PATA WSS](#)
 2. [XN-104/108R-T2 series 1U 4/8-bay SATA WSS](#)
 3. [XN-212R-T3 series 2U 12-bay SATA WSS](#)
- [Appendix A: \(How to make a bootable disk\)](#)

BIOS re-flash (Upgrade) procedures:

1. [Model: \(XN-004S-T1 series Tower 4-bay PATA WSS\)](#)

Equipment:

With VGA cable (please contact Xtore representative to get VGA cable)

1. USB Floppy drive X 1 (or IDE HDD)
2. USB Keyboard X 1
3. PC clients X 1 (To download BIOS and Tool, save to the floppy disk)

PS. A HDD can be used to replace floppy if it's more convenient to you. Instead of floppy, you have to insert HDD on HDD 1 position for booting.

BIOS and Tools

The latest BIOS Version:

XN-004S-T1xx BIOS:

(Download from Xtore Support site <http://www.xtore-es.com> or <ftp://ftp.xtore-es.com.tw> for the latest version BIOS [xxxxxxx.bin] and [Awdflash.exe])

Tools:

AwardBIOS Flash Utility V.8.26E: [awdf flash.exe](#) (Provided by Phoneix Technologies LTD 2003)

With VGA cable installed:

Perform Preliminaries

1. Prepare a bootable floppy disk (See Appendix A), and copy the latest BIOS and flash utility (awdf flash.exe) to the disk
2. Connect USB Keyboard and USB Floppy with bootable disk to the WSS



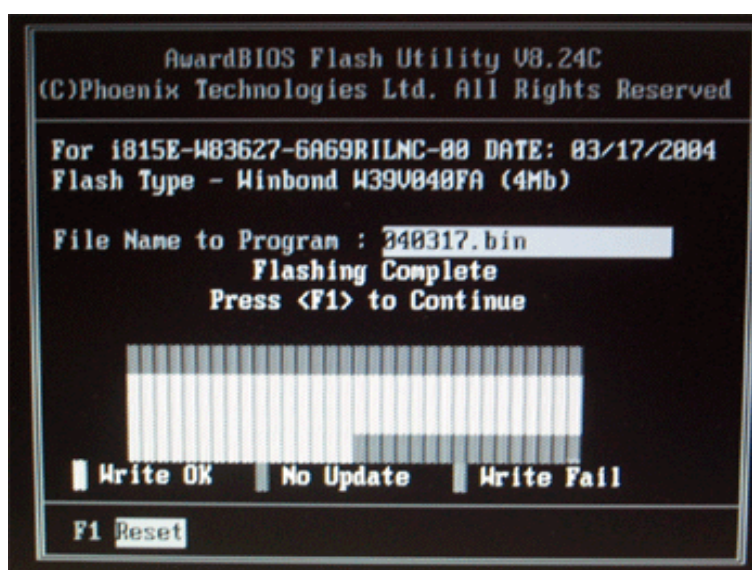
3. Connect VGA cable to the motherboard
4. Connect monitor to the VGA port

Update BIOS STEPS:

- A. Power on the XN-004S-T1xx WSS system, boot from Floppy disk , Use the floppy disk as described in above to boot in DOS command mode.
- B. In DOS mode, type A:\> [awdf flash BIOSFile.bin /py /sn](#). It will be processing automatically (example: [awdf flash 040317.bin /py /sn](#))

```
Volume in drive C is H.  
Volume Serial Number is 0D1A-1CE0  
Directory of C:\BIOS\TW815  
  
  .)          [..]          031104.BIN          040317.BIN  
AWDFLASH.EXE  BIOS.TXT          SYMOLED.EXE          1000.BIN  
0825.BIN      0922.BIN          SYMOAPM.EXE  
              13 file(s)      3,215,304 bytes  
                                20,786,176 bytes free  
  
C:\BIOS\TW815>awdf flash 040317.bin /py /sn_
```

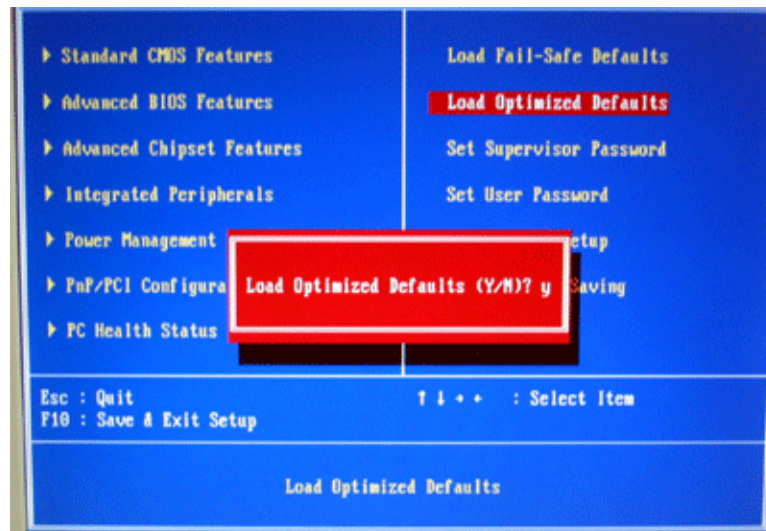
- C. After the Update success message appeared on screen, press "F1" to continue.



- D. After the procedure has complete, remove the disk from the floppy drive and shutdown the power.



- E. Reboot, hold down <DELETE> key and enter BIOS menu. You must choose "[LOAD Optimized DEFAULTS](#)" to activate the new BIOS, then reconfigure other items in the BIOS menu if necessary.



- F. Select "[Save and Exit Settings](#)" option to reboot the WSSNAS with the most updated BIOS settings.

Warning! If you experienced difficulty in the process of BIOS update, do not turn off the power or reboot the system. Just repeat the process of update will do. If problem persists, please use the backup copy of the original BIOS on the floppy disk to overwrite it again. If you cannot use AWDFlash to successfully complete the process, then your system may be unable to boot up. If so, please contact your local vendor or dial Xtore Hotline for additional support.



2. Model: (XN-104/108R-T2 series 1U 4/8-bay SATA WSS)

Equipment:

With PCI VGA card

1. USB keyboard X 1
2. USB Floppy drive X 1 (or SATA HDD)
3. PC clients X 1 (To download BIOS and Tool, save to the floppy disk)

Without PCI VGA card (User Console Redirection via RS-232 port)

1. RS-232 (Null modem) cable x 1
2. USB Floppy drive X 1 (or SATA HDD)
3. Clients PC with Windows 98/ME/2000/XP/2003 HyperTerminal application. For the HyperTerminal application, please click on <http://www.hilgraeve.com/hpte/index.html> for the further information. (To download BIOS and Tool, save to the floppy disk)

PS. A HDD can be used to replace floppy if it's more convenient to you. Instead of floppy, you have to insert HDD on HDD 1 position for booting.

The latest BIOS Version:

XN-104/108R-T2xx: BIOS:

(Download from Xtore Support site <http://www.xtore-es.com> or <ftp://ftp.xtore-es.com.tw> for the latest version BIOS [xxxxx.bin] and [Awdflash.exe])

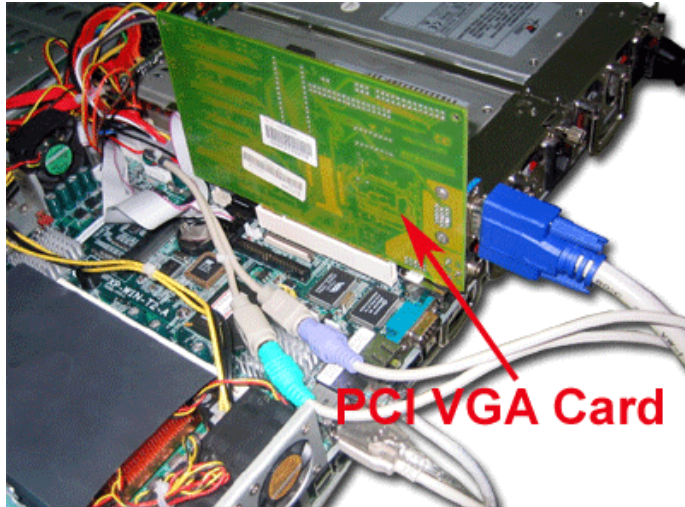
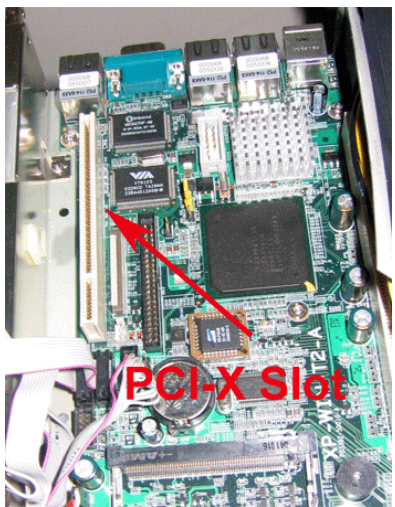
Tool:

AwardBIOS Flash Utility V.8.26E: [awdfash.exe](#) (Provided by Phoneix Technologies LTD)

With VGA card installed:

Perform Preliminaries:

1. Prepare a bootable floppy disk (See Appendix A), and copy the BIOS and flash utility (awdfash.exe) to the disk
2. Connect USB Keyboard and USB Floppy disk with bootable floppy disk to the WSS
3. Connect monitor to VGA port



Update BIOS STEPS:

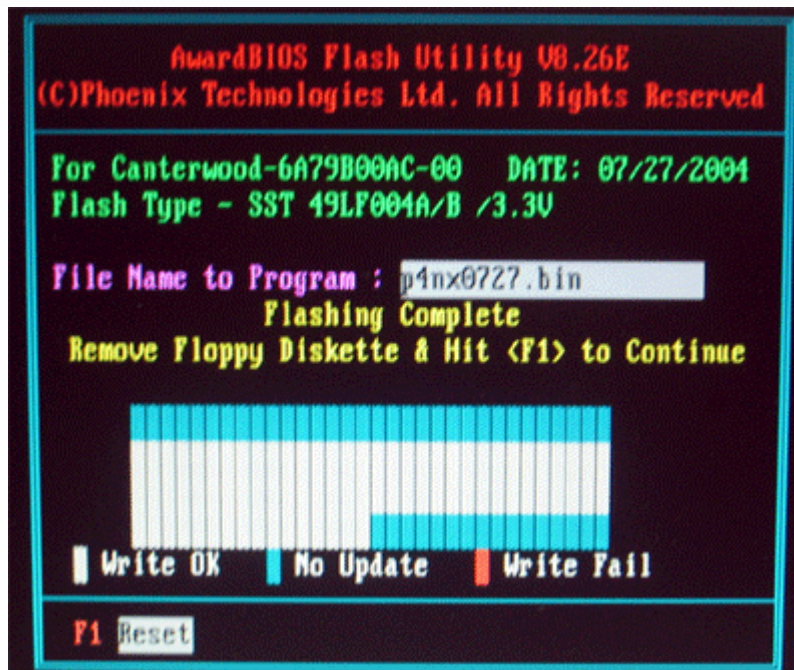
1. Power on the XN-104/108R-T2xx WSS system, boot from Floppy disk, Use floppy disk as described in above to boot in DOS command mode.
2. In DOS mode, type A:\> [awdf flash BIOSFile.bin /py /sn](#). It will be processing automatically (example: [awdf flash P4NX0727.bin /py /sn](#))

```
A:\P4NX>dir/w
Volume in drive A is AX
Volume Serial Number is 1A28-62A2
Directory of A:\P4NX

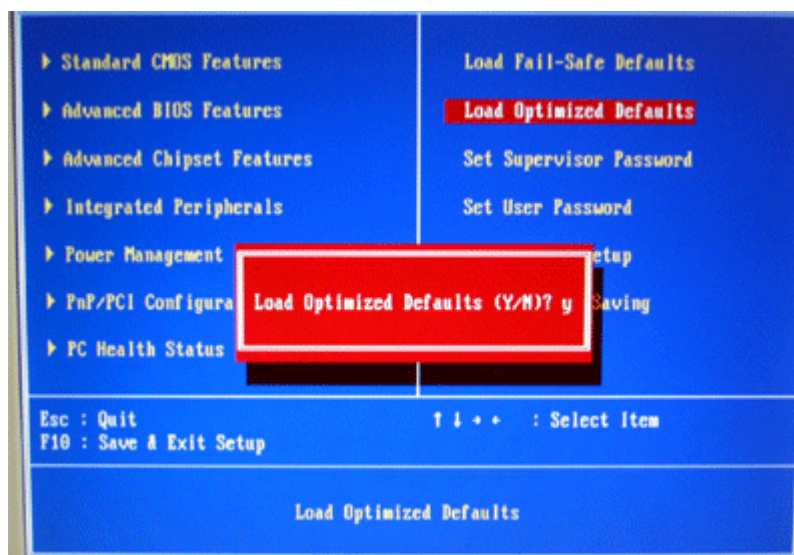
[.]          [..]          AWDFLASH.EXE    P4NX0727.BIN
              4 file(s)      566,506 bytes
                                   181,248 bytes free

A:\P4NX>awdf flash p4nx0727.bin /py /sn_
```

3. After the "Update success" message appeared on screen, press "F1" to continue



4. After the procedure has complete, remove disk from floppy drive and shutdown power.
5. Reboot, hold down <DELETE> key and enter BIOS menu. You must choose "[LOAD Optimized DEFAULTS](#)" to activate the new BIOS, and then reconfigure other items in the BIOS menu if necessary.



6. Select "[Save and Exit Settings](#)" option to reboot the WSS NAS with the most updated BIOS settings.



Warning! If you experienced difficulty in the process of BIOS update, do not turn off the power or reboot the system. Just repeat the process of update will do. If problem persists, please use the backup copy of the original BIOS on the floppy disk to overwrite it again. If you cannot use AWDFlash to successfully complete the process, then your system may be unable to boot up. If so, please contact your local vendor or dial Xtore Hotline for additional support.

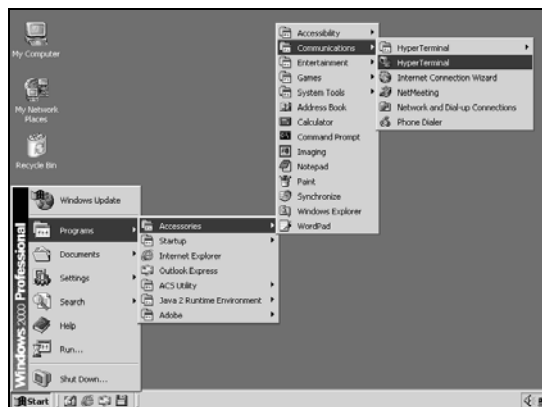
Without VGA card installed: (User Console Redirection via RS-232 port)

Perform Preliminaries:

1. Connect USB Floppy with bootable disk (Appendix A) to the WSS
2. Connect RS-232 (Null modem) cable between Client PC and WSS serial ports.
3. Insert the bootable floppy disk with latest BIOS [xxxxx.bin] and tool [awdf flash.exe].

Update BIOS STEPS:

3. On the Clients PC (noted as PC below), to launch HyperTerminal from the desktop of the host computer (**Start > Programs > Accessories > Communications > HyperTerminal**)



Note: HyperTerminal is bundled as standard with some versions of Microsoft Windows operating systems. It will be found in the Communications folder. The program can also be downloaded from Hilgraeve Software at <http://www.hilgraeve.com/http/>

4. The **Connection Description** dialog box will appear (if this is the first time you have run HyperTerminal, you will first be prompted to enter information about your location). Enter a name to identify the WSS connection (e.g. **WSS**) and select an icon to represent the connection. Press **OK**.

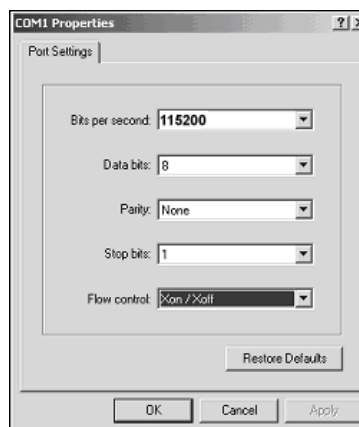


5. The **Connect to** dialog box appears. Select **COM1** or **COM2** from the **Connect using:** dropdown menu, depending on which port is linked to the USTOR. Click **OK**.

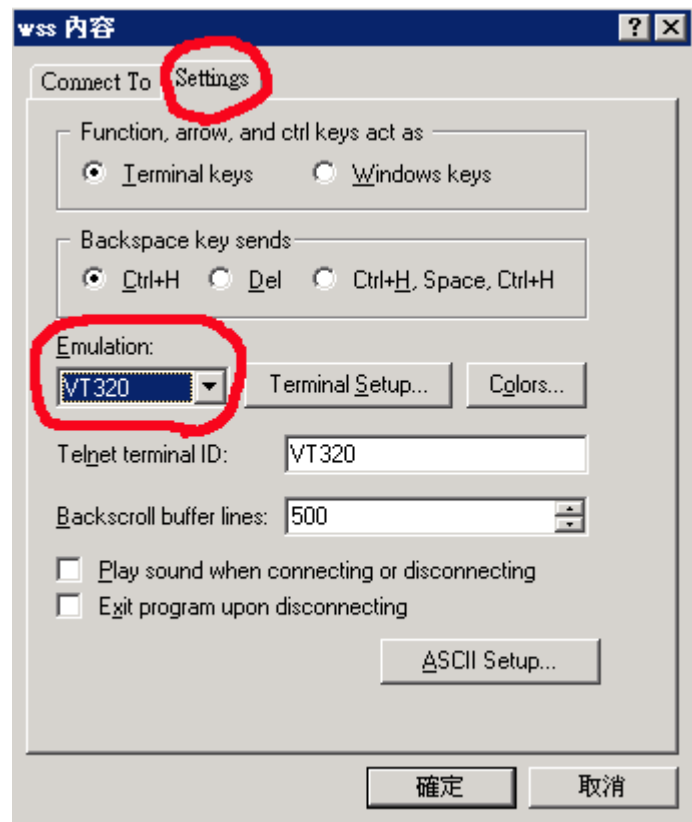


6. The **COM Properties** dialog box will appear. Set the following values:

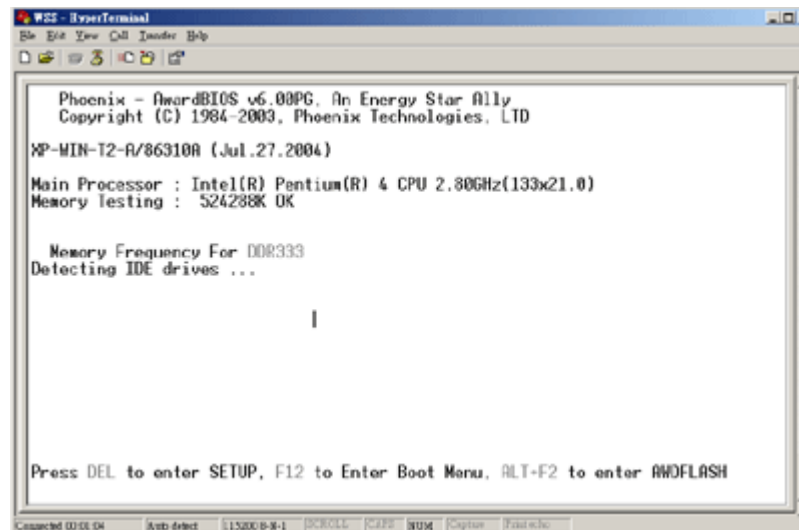
Bits per second: 115,200
Data bits: 8
Parity: None
Stop bits: 1
Flow Control: None or Xon/Xoff



7. For better compatibility, under "Settings" tab, choose **VT320** Emulation, and click "OK" to continue. (You might need to change to different Emulation if you find display on your screen is odd.)



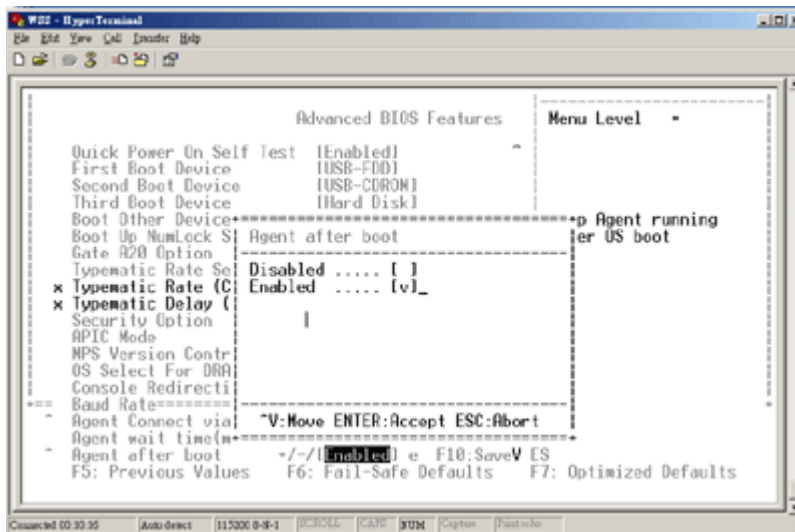
8. Power on the XN-104/108S-T2xx WSS system to update the BIOS. If your setting is correct, you will be able to see the booting screen shown on the Hyper terminal window as below



9. Press **<DELETE>** key of PC and enter BIOS setting menu. (within Hyperterminal)



- On the **“Advanced BIOS Features”** of BIOS Menu → **“Agent After boot”** → **Enable** (checked), **save CMOS and exit for reboot.**



- Reboot from either Floppy disk or HDD, Use the floppy disk//HDD as described in above to boot in DOS command mode.(You can manipulate from Hyperterminal window)
- In DOS mode, type A:\> **awdf flash BIOSFile.bin /py /sn.** It will be processing automatically (For example: **awdf flash P4NX0727.bin /py /sn)**



```
WSS - HyperTerminal
File Edit View Call Transfer Help
[Icons]

A:\P4NK>dir/w

Volume in drive A is AM
Volume Serial Number is 1A28-62A2
Directory of A:\P4NK

[.]          [..]          AWDFLASH.EXE    P4NK0727.BIN
      4 file(s)          566,506 bytes
                          181,248 bytes free

A:\P4NK>awdf flash p4nx0727.bin /py /sn_

Completed 00:32:49   Auto detect   015200 0-0-1   SCROLL  CAS  WDM  Copy   Paste
```

13. After the "Update success" message appeared on screen, press "F1" to continue.

```
WSS - HyperTerminal
File Edit View Call Transfer Help
[Icons]

AwardBIOS Flash Utility V8.26E
(C)Phoenix Technologies Ltd. All Rights Reserved

For Canterwood 6A79D00AC-00   DATE: 07/27/2004
Flash Type - SST 49LF004A/B /3.3V

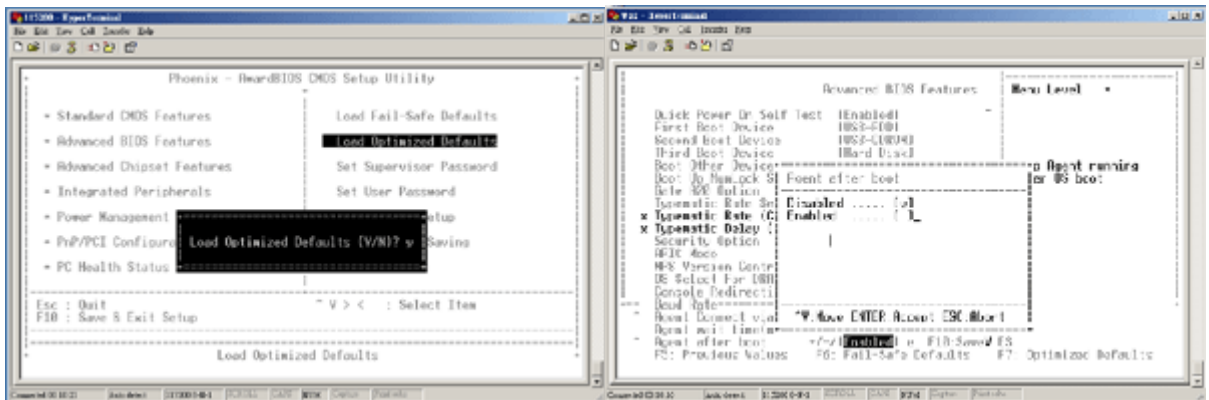
File Name to Program : p4nx0727.bin
Flashing Complete
Remove Floppy Diskette & Hit <F1> to Continue

Write OK   No Update   Write Fail

F1 Reset

Completed 00:35:15   Auto detect   015200 0-0-1   SCROLL  CAS  WDM  Copy   Paste
```

14. After the procedure has complete, remove disk from floppy drive and shutdown power.
15. Reboot, hold down <DELETE> key and enter BIOS menu. You must choose "[LOAD Optimized DEFAULTS](#)" to activate the new BIOS.



16. Select "**Save and Exit Settings**" option to reboot the WSSNAS with the most updated BIOS settings.

Warning! If you experienced difficulty in the process of BIOS update, do not turn off the power or reboot the system. Just repeat the process of update will do. If problem persists, please use the backup copy of the original BIOS on the floppy disk to overwrite it again. If you cannot use AWDFlash to successfully complete the process, then your system may be unable to boot up. If so, please contact your local vendor or dial Xtore Hotline for additional support.

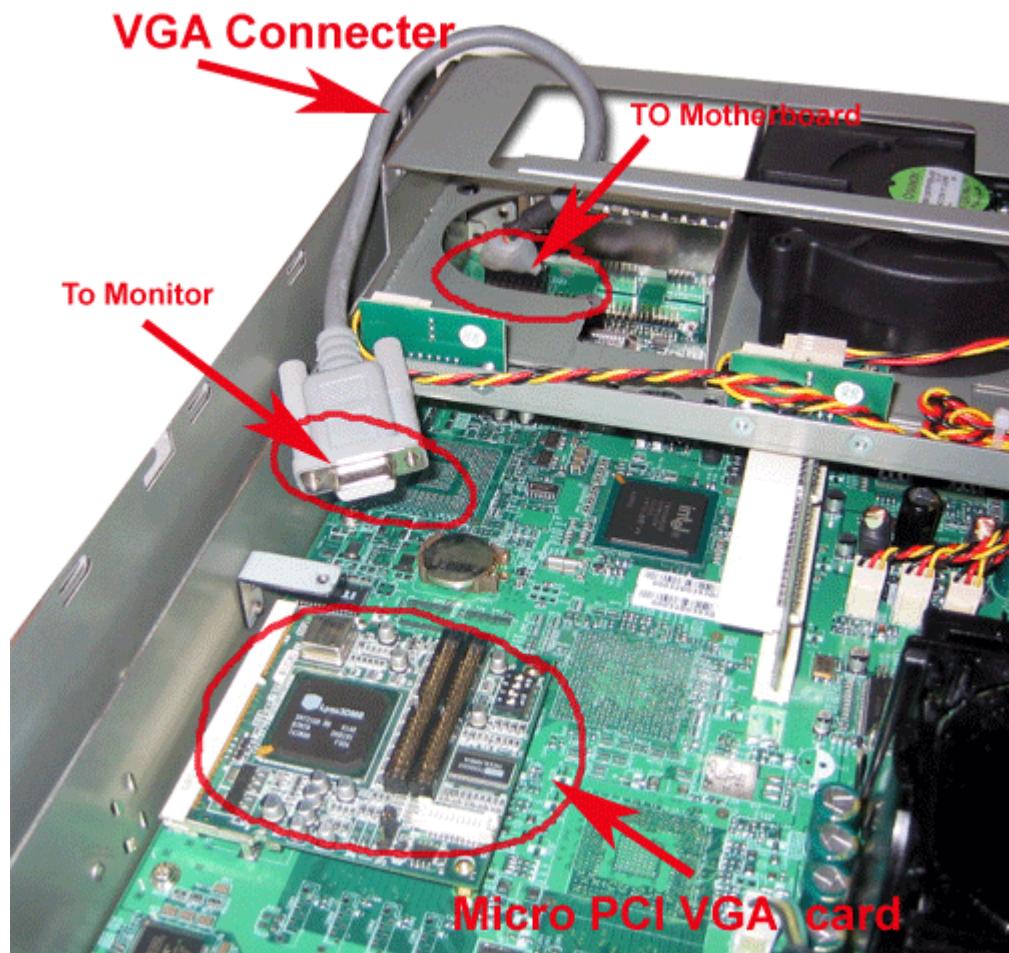
3. Model: (XN-212R-T3 series 2U 12-bay SATA WSS)

Equipment:

With microPCI VGA card

1. USB keyboard X 1
2. USB Floppy drive X 1
3. PC clients X 1 (To download BIOS and Tool, save to the floppy disk)

PS. A HDD can be used to replace floppy if it's more convenient to you. Instead of floppy, you have to insert HDD on HDD 1 position for booting.



Without microPCI VGA card (User Console Redirection via RS-232 port)

1. RS-232 (Null modem) cable x 1
2. USB Floppy drive X 1



3. Clients PC with Windows 98/ME/2000/XP/2003 HyperTerminal application. For the HyperTerminal application, please click on <http://www.hilgraeve.com/htpc/index.html> for the further information. (To download BIOS and Tool, save to the floppy disk)

BIOS and Tools

The latest BIOS Version:

XN-212R-T3xx:

(Download from Xtore Support site via <http://www.xtore-es.com> or <ftp://ftp.xtore-es.com.tw> for the latest version BIOS and Awdflash.exe save it on a bootable floppy disk—Appendix A.)

Tool:

AwardBIOS Flash Utility V.8.26E: [awdf flash.exe](#) (Provided by Phoneix Technologies LTD)

With microPCI VGA card:

(To check with your Xtore rep. for acquiring a microPCI VGA card)

Perform Preliminaries:

1. Prepare a bootable floppy disk (See Appendix A), and copy the BIOS file and flash utility [awdf flash.exe] to the disk
2. Connect USB Keyboard and USB Floppy with bootable disk to the WSS
3. Connect VGA card to motherboard
4. Connect monitor to VGA port

Update BIOS STEPS:

1. Power on the XN-212R-T3xx WSS system, boot from Floppy disk, Use floppy disk as described in above to boot in DOS command mode.
2. In DOS mode, type A:\> [awdf flash BIOSFile.bin /pw /sn](#). It will be processing automatically (example: [awdf flash 040728.bin /pw /sn](#))

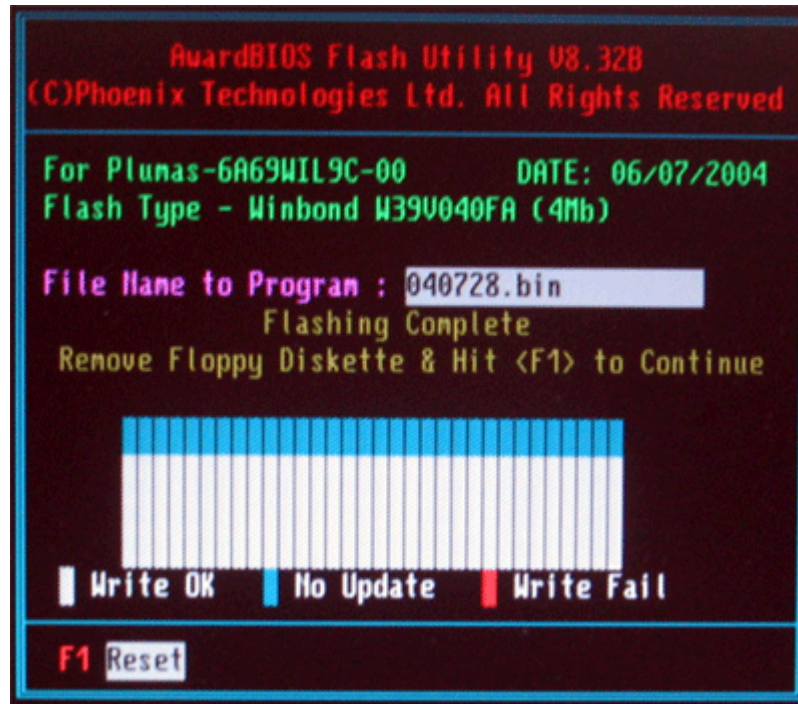
```
A:\>dir/w
Volume in drive A is ELVIS-DOS98
Volume Serial Number is 0524-17F5
Directory of A:\

COMMAND.COM      AWDFLASH.EXE    GENPORT.SYS     GENPORT.INF     FDISK.EXE
FORMAT.COM       TRYSHU~2.EXE    TRYSHU~1.EXE    040728.BIN
          9 File(s)      1,073,482 bytes
          0 dir(s)      88,064 bytes free

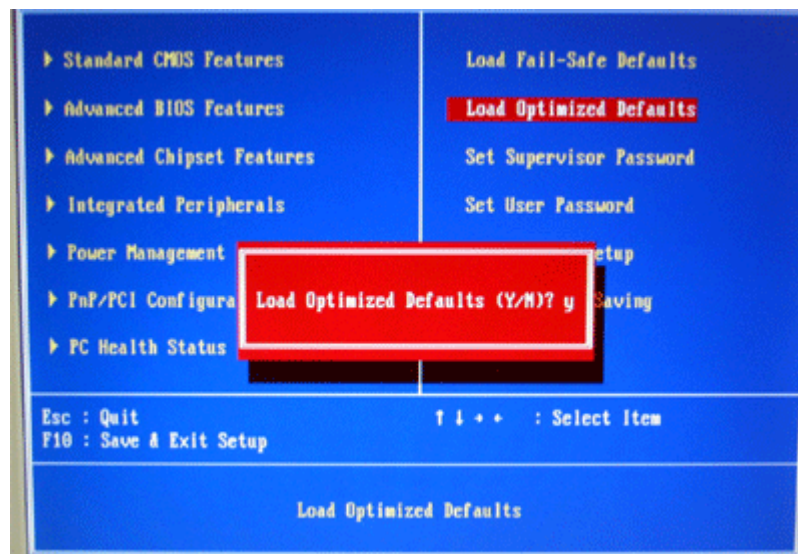
A:\>awdf flash 040728.bin /pw /sn_
```



3. After the "Update success" message appeared on screen, press "F1" to continue.



4. After the procedure has complete, remove disk from floppy drive and shutdown power.
5. Reboot, hold down <DELETE> key and enter BIOS menu. You must choose "[LOAD Optimized DEFAULTS](#)" to activate the new BIOS, and then reconfigure other items in the BIOS menu if necessary.





6. Select "[Save and Exit Settings](#)" option to reboot the WSSNAS with the most updated BIOS settings.

Warning! If you experienced difficulty in the process of BIOS update, do not turn off the power or reboot the system. Just repeat the process of update will do. If problem persists, please use the backup copy of the original BIOS on the floppy disk to overwrite it again. If you cannot use AWDFlash to successfully complete the process, then your system may be unable to boot up. If so, please contact your local vendor or dial Xtore Hotline for additional support.

Without microPCI VGA card installed: (User Console Redirection via RS-232 port)

Perform Preliminaries:

1. Prepare a bootable floppy disk (See Appendix A), and copy the BIOS file and flash utility [awdfash.exe] to the disk
2. Connect USB Floppy with bootable disk to the WSS
3. Connect RS-232 (Null modem) cable between Client PC and WSS serial ports.

STEPS:

1. On the Clients PC, to launch HyperTerminal from the desktop of the host computer (**Start > Programs > Accessories > Communications > HyperTerminal**)



Note: HyperTerminal is bundled as standard with some versions of Microsoft Windows operating systems. It will be found in the Communications folder. The program can also be downloaded from Hilgraeve Software at <http://www.hilgraeve.com/hpte/>

2. The **Connection Description** dialog box will appear (if this is the first time you have run HyperTerminal, you will first be prompted to enter information about your location). Enter a name to identify the WSS connection (e.g. **WSS**) and select an icon to represent the connection. Press **OK**.

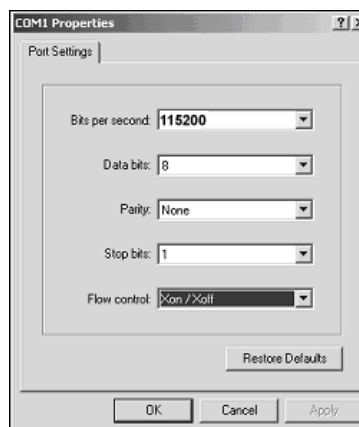


3. The **Connect to** dialog box appears. Select **COM1** or **COM2** from the **Connect using:** dropdown menu, depending on which port is linked to the USTOR. Click **OK**.



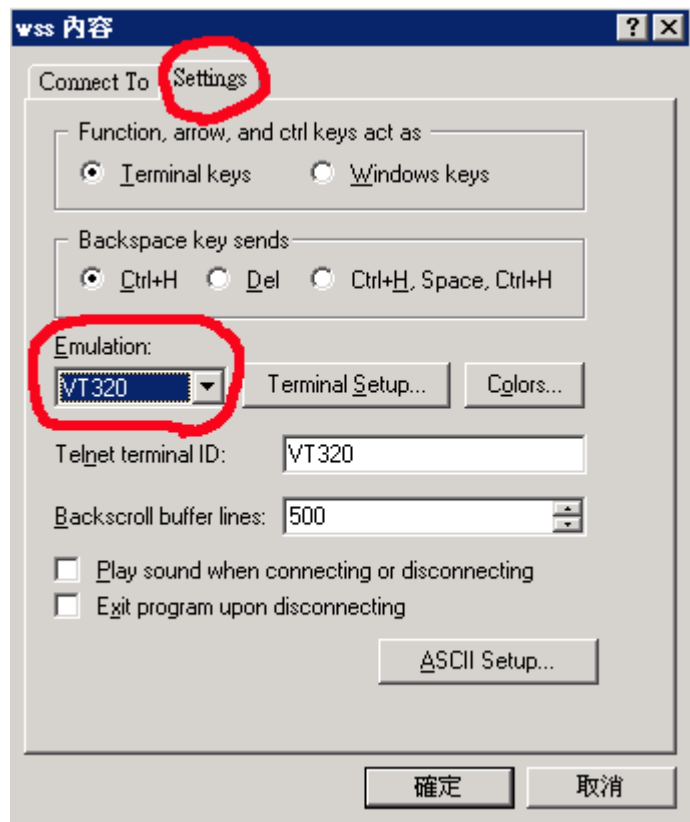
4. The **COM Properties** dialog box will appear. Set the following values:

Bits per second: 115,200
Data bits: 8
Parity: None
Stop bits: 1
Flow Control: None or Xon/Xoff

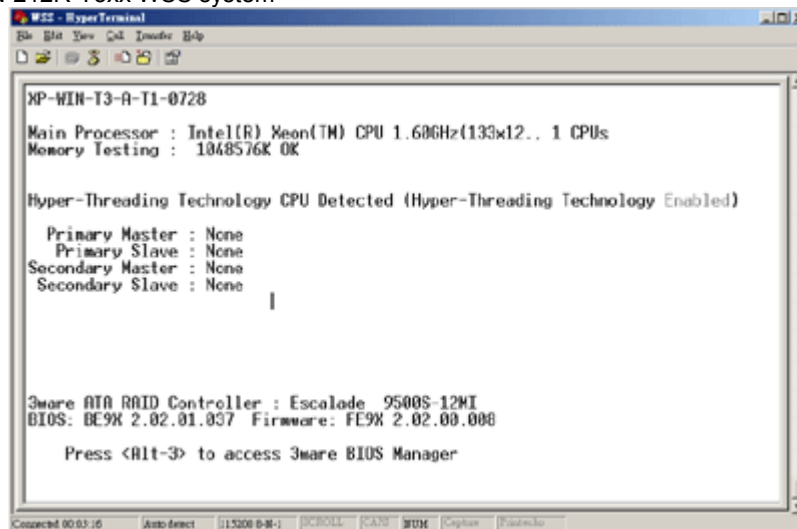


5. For better connection speed via Null cable, the setting of Properties WSS, choose **“VT320”** Emulation, and click **“OK”** to continue.

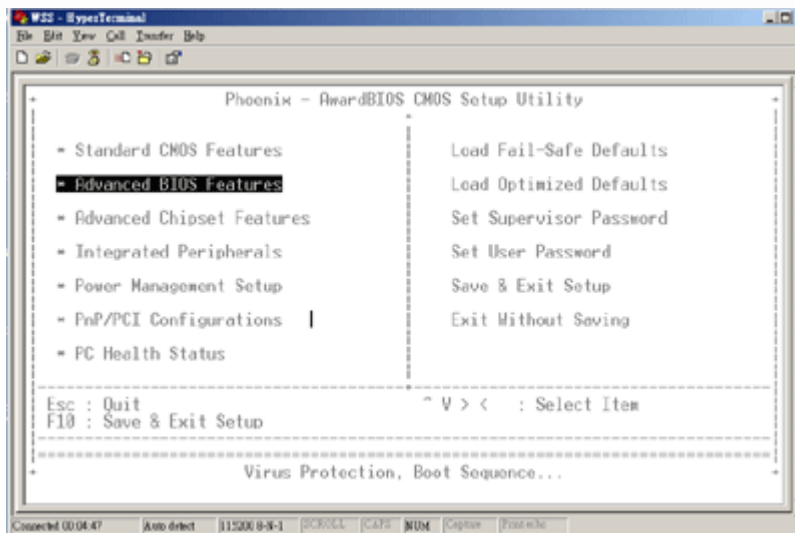
(You might need to change to different Emulation if you find display on your screen is odd.)



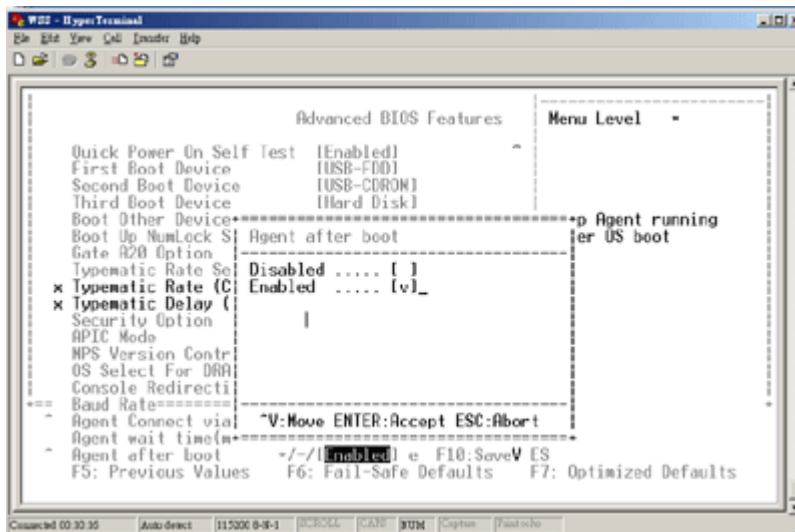
6. Power on the XN-212R-T3xx WSS system



7. Press **<TAB>** or **<Delete>** key and enter BIOS menu.(within Hyper terminal window)



8. On the **“Advanced BIOS Features”** of BIOS Menu → **“Agent After boot”** → **Enable** (checked), **save to CMOS and exit** to restart the WSS.



9. Boot from either Floppy disk or HDD, Use floppy disk as described in above to boot in DOS command mode.
10. In DOS mode, type A:> **awdf flash BIOSFile.bin /py /sn**. It will be processing automatically (example: **awdf flash 040728.bin /py /sn**)



```
WSS - HyperTerminal
File Edit View Call Transfer Help
A:\>dir/w

Volume in drive A is ELVIS-00$98
Volume Serial Number is 0924-17F5
Directory of A:\

COMMAND.COM      AWDFLASH.EXE    GENPORT.SYS     GENPORT.INF     FDISK.EXE
FORMAT.COM       TRYSHU"2.EXE    TRYSHU"1.EXE    040728.BIN
9               file(s)         1,073,482 bytes
0               dir(s)          88,064 bytes free

A:\>awdflash 040728.bin /py /sn
```

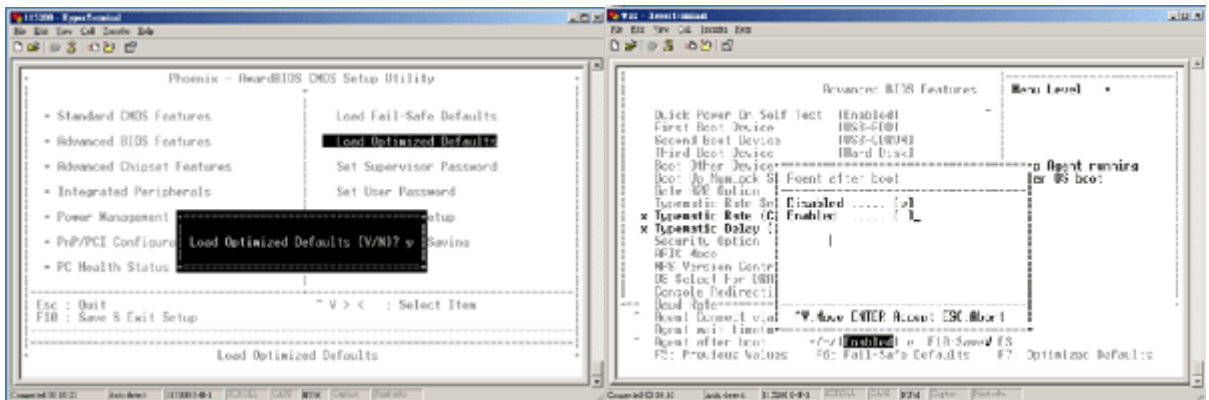
11. After the "Update success" message appeared on screen, press "F1" to continue.

```
WSS - HyperTerminal
File Edit View Call Transfer Help
AwardBIOS Flash Utility V8.32B
(C)Phoenix Technologies Ltd. All Rights Reserved
For PLumas-6A69MIL9C-00   DATE: 06/07/2004
Flash Type - Winbond W39V040FA (4Mb)

File Name to Program : 040728.bin
Flashing Complete
Remove Floppy Diskette & Hit <F1> to Continue

Write OK   No Update   Write Fail
F1 Reset
```

12. After the procedure has complete, remove disk from floppy drive and shutdown power.
13. Reboot, hold down <DELETE> key and enter BIOS menu. You must choose "**LOAD Optimized DEFAULTS**" to activate the new BIOS, and then <disable> "Agent after boot" items in the BIOS menu.



14. Select "[Save and Exit Settings](#)" option to reboot the WSSNAS with the most updated BIOS settings.

Warning! If you experienced difficulty in the process of BIOS update, do not turn off the power or reboot the system. Just repeat the process of update will do. If problem persists, please use the backup copy of the original BIOS on the floppy disk to overwrite it again. If you cannot use AWDFlash to successfully complete the process, then your system may be unable to boot up. If so, please contact your local vendor or dial Xtore Hotline for additional support.

Appendix A:

WHAT IS A BOOT DISK

A boot disk will allow you to boot off of a diskette instead of your hard drive. This diskette can be used to fix issues which may arise during the lifetime of your computer as well as can be used to help load MS-DOS games or games you may not be able to run from Windows or MS-DOS because of high memory requirements.

After you have created a boot diskette following any of the below instructions it is highly recommended that you write protect the diskette to prevent possible computer virus infection.

CREATING A MS-DOS BOOT DISK

To create a MS-DOS diskette begin by getting to the DOS directory by typing:

```
cd\dos
```

Once at the C:\DOS directory skip to copying files.



CREATING A WINDOWS 3.X BOOT DISK

To create a Windows 3.x diskette from Windows Program manager click File and then choose the option to Exit Windows which will get you to a prompt, at the prompt type:

```
cd\dos
```

Once at the C:\DOS directory skip to copying files.

CREATING A WINDOWS 95 BOOT DISK

In Windows 95 Microsoft has created a new method of creating a bootable recovery diskette. Unfortunately however this diskette does not support CD-ROM support and is missing a few recommended files. To do this click Start / Settings / Control Panel / double click the Add Remove programs icon / click the Startup Disk and create disk.

Alternatively to create a Windows 95 boot diskette manually from Windows click Start / Shutdown and choose the option to restart the computer in a MS-DOS prompt. At the prompt type:

```
cd\windows\command
```

Once at the C:\DOS directory skip to copying files.

CREATING A WINDOWS 98/ME BOOT DISK

An excellent feature of Windows 98/ME is its boot diskette. Using Windows to create you a Windows 98 boot diskette will give you all the needed files as well as CD-ROM support. To create a Windows 98 boot diskette click Start / Settings / Control Panel / double click the Add Remove programs icon / click the Startup Disk and create disk.

Alternatively to create a Windows 98 boot diskette manually from Windows click Start / Shutdown and choose the option to restart the computer in a MS-DOS prompt. At the prompt type:

```
cd\windows\command
```

Once at the C:\DOS directory skip to copying files.

COPYING ADDITIONAL FILES

NOTE: When making a boot disk if you are running "Stacker" or some kind of a DoubleSpace or drive swapper



program, this could not work

Once you are in DOS and at the correct directory as instructed in the above sections by operating system you are ready to create your bootable diskette. Place a diskette which does not contain any information (it will be erased).

At the prompt if you have MS-DOS 6.2 / Windows 3.x / Windows 95 / Windows 98 type:

```
FORMAT A:/S
```

If you have MS-DOS 5.0 type using double density 5.25" diskettes type:

```
FORMAT A: /360 /S
```

If you have MS- DOS 3.11 through 4.0 type using double density 5.25" diskettes type:

```
FORMAT A: /4 /S
```

Once the diskette has been formatted and the system has been transferred you should be returned to your original directory. In this directory type:

```
copy format*. * a: [PRESS ENTER]
```

```
copy fdisk*. * a: [PRESS ENTER]
```

```
copy mscdex*. * a: [PRESS ENTER]
```

```
copy sys*. * a: [PRESS ENTER]
```

```
copy edit*. * a: [PRESS ENTER]
```

```
copy qbasic*. * a: [PRESS ENTER] (Win 95/98 users skip this line)
```

```
copy debug*. * a: [PRESS ENTER]
```

```
copy himem*. * a: [PRESS ENTER]
```

```
copy emm386*. * a: [PRESS ENTER]
```

If you are planning to use this diskette as a diskette to load games or you feel that you need mouse support you will need to copy the mouse driver onto the boot diskette. The MS-DOS mouse driver is generally mouse.com / mouse.sys. Locate this file and copy it to your bootable diskette.

For CD-ROM support visit our CD-ROM drivers page for information on loading your CD-ROM driver.

Once you have copied the above files create an autoexec.bat and a config.sys get to the floppy drive by typing A: once



at the floppy drive type:

```
copy con autoexec.bat [PRESS ENTER]
```

```
@echo off [PRESS ENTER]
```

```
LH A:\MSCDEX.EXE /D:CDROM [PRESS ENTER] (this line is used for your CD-ROM drive).
```

```
LH A:\MOUSE.* [PRESS ENTER] (skip line if you did not copy mouse file, the * is either sys / com).
```

Press and hold CTRL + Z - this should return ^Z once this is displayed press enter to copy the file.

```
copy con config.sys [PRESS ENTER]
```

```
device=a:\himem.sys
```

```
dos=high,umb
```

```
device=a:\emm386.exe noems
```

```
files=30
```

```
buffers=20
```

```
devicehigh=a:\oakcdrom.sys /d:CDROM (this line is used for your CD-ROM drive).
```

Press and hold CTRL + Z - this should return ^Z once this is displayed press enter to copy the file.

Congratulations after completing the above steps you should now have a bootable floppy diskette.

CREATING A WINDOWS NT BOOT DISK

To create a boot diskette you must have access to the i386 directory located on your Windows NT CD or possibly your Hard disk drive.

Format the floppy diskette you wish to make a bootable Windows NT boot disk using the Windows NT machine.

Copy boot.ini, ntdetect.com and ntldr to the floppy diskette just formatted.

If you are using any SCSI devices which you need access to you will also need to load these drivers onto the diskette

CREATING A WINDOWS 2000 BOOT DISK

To create a Windows 2000 Professional bootable diskette you will need four 1.44MB diskettes and the Windows 2000 Professional CD.

Click Start / Run / browse to the CD-ROM drive.



Open the "BOOTDISK" folder and double-click makeboot.exe and click ok to launch the program to create the diskette.

Users can also easily create an Emergency Repair Disk by clicking Start, Programs, Accessories, System Tools, and opening Backup. From the Backup window click the button for Emergency Repair Disk and follow each of the steps.

CREATING A WINDOWS XP BOOT DISK

Create MS-DOS bootable diskette

When formatting a floppy diskette users have the option of creating a MS-DOS startup disk, follow the below steps to do this.

1. Place diskette in the computer.
2. Open My Computer and right click the A: drive and click Format.
3. In the Format window check Create an MS-DOS startup disk.
4. Click Start

Create Windows XP Setup diskettes

Microsoft is beginning to phase out bootable floppy diskettes in favor of bootable CD discs and has not included a method of easily creating a bootable floppy diskette in Windows or from the CD. However, Microsoft has created web pages for users who still need to create bootable diskettes to install (not upgrade) Windows XP, below is a listing of each of these pages.

- Microsoft Windows XP Home
- Microsoft Windows XP Home SP1
- Microsoft Windows XP Pro
- Microsoft Windows XP Pro SP1

Additional help and information about troubleshooting bootable CD's not booting is found on document CH000217.

HOW TO USE A BOOT DISKETTE

Once the bootable diskette has been successfully created following the below steps you will be able to boot from the diskette.

1. Place the diskette into write protect mode (incase a virus is on the computer this will not allow the virus to transfer itself onto the diskette).
2. Insert the diskette into the computer and reset or turn on the computer to begin the boot process.



3. As the computer is booting the computer is booting up, answer the questions prompted (if any).
4. Once at the A:\> take the appropriate actions depending upon the situation of the computer.
5. If you are unfamiliar with MS-DOS we recommend you see our MS-DOS page.