



Installing RAID driver on 886LCD-M/986LCD-M using WinXP.

Required HW

IDE CD-ROM Drive
Windows XP SP2 Installation CD.
2 pieces of SATA disks
USB FDD.

Notes on USB FDD:

Recommended USB FDDs: Mitsumi D353FUE, Sony or Teac.

Reported problem using USB FDD: IOmega and NEC UF002.

On 886LCD-M use USB FDD connected to USB Port 2 (IO Bracket button USB slot).

Load the required SW

From "Downloads" on the actual MB web page: download the relevant file either "886LCD-M RAID Win2K-XP-2K3.zip" or "986LCD-M RAID Win2K-XP-2K3.zip", unzip and copy the files to an empty formatted Floppy Disk.

From "Downloads" on the actual MB web page also download the file "886LCD-M RAID Software Application" / "986LCD-M RAID Software Application" (It shall be installed from XP).

Prepare target MB

Connect the SATA Disks, CD-ROM drive, USB FDD and load in the Windows XP installation CD, but do not load the Floppy Disk yet.

Boot into the BIOS and select:

Exit>Load Optimized Default

886LCD-M: Advanced>IDE Configuration>Configure S-ATA as RAID [Yes]

986LCD-M: Advanced>IDE Configuration>ATA/IDE Configuration = [Enhanced]

Configure SATA as = [RAID]

Exit>Save Changes and Exit (the next step of the process automatically starts)

RAID Installation process

When the system reboots; for a few seconds you will see on the display

"Intel(R) RAID for Serial ATA - Raid Configuration Utility"

... then Type <Ctrl><I> to enter this menu.

Verify that two SATA disks are detected.

Select "1. Create RAID Volume"

Type in requested name of the RAID installation and terminate by <Enter>

Select RAID Level RAID0(Stripe) or RAID1(Mirror) (RAID0 is for speed and RAID1 is for safety)

If RAID0 is selected then select Strip Size

Select "Create Volume"

and finally select Exit (system will return to BIOS Menu)

Select in BIOS Exit>Save Changes and Exit

System will boot on CD if you hit a key when asked to and then system start installation of the XP.

After approx. ½ minute it will for a few seconds ask you to press <F6> for special driver selection (do that).

System will continue loading files but after a minute or so it will ask you to press the <S>-key. Now load the Floppy Disk and press the <S> key. Use <↓>/ <↑> keys to scroll and highlight requested driver.

For 886LCD-M select "Intel(R) 6300ESB SATA RAID Controller".

For 986LCD-M select "Intel(R) 82801GR/GH SATA RAID Controller (Desktop ICH7R/DH)".

System will ask you for more special drivers, but just skip that by pressing <Enter>.

Follow the guidelines to continue installing XP and when the XP installation is completed you can continue installing the Chipset Driver, Graphics Driver, Lan Driver and Audio Driver.

Finally you can install the "RAID Software Application" (Intel Matrix Storage Console) from the OS. (Used to monitor the RAID and can also repair the RAID).