



Installing RAID on a KT965 motherboard using Windows XP.

Prepare the SW for RAID installation

Download the "KT965 RAID Driver" package from the Kontron web.
(This package contains two files F6flpy32.exe and iata75_enu.exe).

Load the empty Floppy Disk into a PC having a FDD and running Windows. Execute the F6flpy32.exe.
The floppy disk will get the following file content:

iaahci.cat, iaahci.inf, iastor.cat, iastor.inf, iastor.sys, license.txt, Readme.txt, txtsetup.oem

Mark the Floppy Disk "KT965 RAID".

The iata75_enu.exe (or newer version) can be transferred later if requested.

Required hardware

Minimum two SATA drives.

Windows XP SP2 Installation CD

USB CD-ROM Drive or SATA CD-ROM Drive.

Note on SATA CD-ROM:

Samsung SH-S203

TEAC CD-224E (slim line) + SATA to IDE Converter SI-0718

USB Floppy drive and empty floppy disk.

Notes on USB FDD:

Recommended USB FDDs: Mitsumi D353FUE, Sony or Teac.

Reported problem using USB FDD: IOmega and NEC UF002.

Prepare target MB by connect SATA Disks, USB Floppy Drive and CD-ROM drive.

RAID Installation procedure

Turn on system and enter BIOS, load the Windows XP installation CD and make BIOS selections:

Exit>Load Optimal Default

Advanced>IDE Configuration>Configure S-ATA#1 as RAID

Boot>Boot Device Priority>1st Boot Device ["actual CD-rom drive"]

Exit>Save Changes and Exit

When the system reboots; for ½ a second you will see on the display

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

... type <Ctrl><l> to enter the this menu.

Verify that the SATA disks are detected and 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 and 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.

Select the "Intel<R> ICH8R/DO/DH SATA RAID Controller <Desktop ICH8R>".

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 "Intel Matrix Storage Console" by executing the iata75_enu.exe. (or newer).

This program will monitor the RAID and can also repair the RAID.