



H3X Flash Procedure



The aim of this document is to describe the full procedure to flash the H3X Board.

The range of H3X concerned by this procedure is SN 550 to 1058 inclusive.

Before flashing the board:

- Like any flash of a component, a failure during the update procedure is always possible (less than 1 % of risk). In case of failure, the unit could be unusable without the replacement of the H3X board. So please, choose the appropriate moment to make the update.
- Make sure the power supply is stable during the flash procedure
- Don't turn the machine off or reset it during the flash procedure

1) Download of the software and create a bootable USB key

To flash the H3X, you will have to use a USB Key. To prepare and make this USB key bootable, you have received by e-mail a zip file containing:

- DATA directory that contains the software to flash the H3X
- BuildUSB.bat file to create a bootable USB key

Download and unzip the H3X FLASH.zip file on your laptop or desktop windows computer. Unzip it. Insert a USB key.

Execute the BuildUSB.bat file. This operation will make your USB key bootable and will copy the Data on it.

WARNING: this is formatting and making your USB bootable. So make sure before doing that there is nothing you need to keep on your USB key.

2) Flash of the H3X

Insert the USB key into the USB port of the MTPC Board of the server that contains the H3X you want to flash.

Press the RESET button on the MTPC Board or perform a reboot from software to restart the system.

It will reboot and then flash automatically the H3X.

When it is done, you will see the last reported line has the following message:

H3X: FLASH SUCCESS

If you want to verify the H3X software boot release, restart the system with the USB inserted.

It will then try to flash the board again and abort the process and display the following message:

BS Version Higher or Equal: cancelling.

That confirms that the H3X has been updated correctly. Remove the USB key and restart your system.



To Verify H3X Board version:

You can verify the software version in the BOOTWINS window of the Hardware Check or Booting process.

Under the HCT Informations Section

Before the upgrade it will report as EEPROM Version: 01.04 or lower.

After the upgrade, it will report as version 01.05

HCT INFORMATIONS

Hard Reset HCT

H3X Board detected: CPURev=0xB2, PCBRev(3..0)=0x1, CFG=0x0, JMP=0xF

uCode EEprom Version: 01.04 (22/09/11)

Opening '\\CLSMCE\CONST\HCT\H3X.RBF'