

## BIOS Update

The AMI and the KONTRON update tool is available for two operating systems: DOS and Windows® (e.g. Windows® XP, Vista 32/64 or Windows® 7).

Software conditions:

Operating System	Tool Name	Required Revision
DOS	AFUDOS.EXE	4.23 or greater
	BF.EXE	7.41 or greater
Windows®	AFUWIN.EXE + UCORES.SYS (UCOREW64.SYS)	4.41 or greater
	BF.EXE	7.41 or greater

### AFUDOS (AMI)

Only the following combination of command line arguments has been tested and should be used for the update process. The syntax of the DOS update tool is:

**AFUDOS** <BIOS filename> **/X /P /B /N /C**

**/X** = don't check ROM ID

**/P** = program main BIOS

**/B** = program boot block

**/N** = overwrite NVRAM (setup settings)

**/C** = destroy CMOS checksum

### AFUWIN (AMI)

For 32bit operating systems the file UCORES.SYS and for 64bit systems the file UCOREW64.SYS must be used (located in the same folder as AFUWIN.EXE). AFUWIN can either be executed using the same command line parameters as for AFUDOS or it can be executed in GUI mode by double clicking on it.

### BFLASH (KONTRON)

In this manual the abbreviation **BF** is used for BFlash. This also matches with the actual name of the tool (BF.EXE). BF can be used to read and write data to and from BIOS flash. With this tool it's possible to update the BIOS, change DMI codes, setup vendor codes and save copies of all data. The copies can be used as master data for mass production.

Type **BF** <ret> from DOS prompt to see the BFlash version number and the board version. Only the following combination of command line arguments has been tested and should be used for the update process.

**BF read** <BIOS filename> **0 100000**

**BF write** <BIOS filename> **0**