

COM-100 – Sparrow

AWDFLASH.EXE - BIOS Flash - Read/Write Program

The COM-100 – Sparrow board has its Basic Input Output System - BIOS – code stored in on-board FLASH Memory.

Each board typically comes from the factory programmed with the latest version of this BIOS, which is the one used for factory floor testing. Older boards may therefore need to be re-programmed to the latest BIOS version for the board to work correctly.

The latest BIOS is version 2.3, which includes INTEL PXE Network Boot and also PCI-Bus IDSEL-IRQ mapping for off-board expansion via the PICMG edge connector.

The AWDFLASH EE.EXE program is used to read and/or write the board's BIOS to/from a binary BIOS file containing the image of the BIOS being read or programmed. The AWDFLASH program runs from MS-DOS so – to use the program, make a DOS-bootable diskette which contains the AWDFLASH.EXE program and the binary BIOS file you want to program.

Execute the AWDFLASH program without any parameters to see how to use this program.

Note: If you are updating the BIOS, make sure that the power remains ON to the board during the programming cycle, as the board becomes unusable if the programming cycle is interrupted, and the resulting on-board BIOS image is not intact