Multicomp Installation

Installation summary

Installation of ROM-MJS on the Multicomp (Z80) has been simplified and involves the following steps:

1. Install the latest bit stream file (.POF) for the selected platform (Cyclone II or Cyclone IV).
2. Copy the extended monitor and hardware access layer code onto the FAT partition
3. Install the updated Operating system binary images
4. Boot the installed operating system and verify correct operation

Detailed Installation steps.

1. Install the latest bit stream file (.POF) for the selected platform (Cyclone II or Cyclone IV)

The VHDL code for the Cyclone II and Cyclone IV has been updated so that each platform provides similar functionality. This required simplifying the Memory Management Unit so that there was sufficient space on the Cyclone II. Due to the change in MMU design, previous versions of CP/M 3 and MP/M will not run correctly with the new MMU.

2. Copy the extended monitor and hardware access layer code onto the FAT partition

The file FPGABOOT.BIN contains the Extended Monitor and Hardware Access Layer code and needs to be copied to the root directory of the FAT partition on the SD card.

3. Install the updated Operating system binary images

Due to the changes to the MMU, any operating system that uses the MMU needs to be updated. All three operating systems (CP/M 2.2, CP/M 3 and MP/M) use the MMU and have been updated to work with the new MMU. Binary disk images are available on the WiKi and should be copied to the root directory of the FAT partition on the SD card. Please use the 'Image' monitor command to copy the binary disk image to the SD card.   Please refer to the appropriate Installation guide for further information.

4. Boot the installed operating system and verify correct operation.

The 'boot' monitor command can be used to boot the appropriate partition as previously.