

## FDC+3712 (iCOM/Pertec/Altair FD3712 on the FDC+)

Firmware version 1.7 for the FDC+ adds drive type 8, the FDC+3712. This drive type duplicates the capabilities of the iCOM/Pertec/Altair FD3712 drive cabinet with its S-100 interface board. This, in turn, adds IBM 8" SSSD (soft sector) capability to the FDC+. The FDC+3712 drive type also adds the ability to format a disk in the same manner as with the FD3812. The original FD3712 could not format a disk.

The S-100 interface board provided with the FD3712 includes a PROM containing disk routines used by CP/M. Since the S-100 interface board is not present in the FDC+3712 configuration, this PROM must be provided by another board in the Altair. The PROM source file and the executable as a .hex file can be found in the "ROMs" folder. The PROM occupies F400h-F7FFh. The content can be burnt into a PROM (or into the 27C64 on the FDC+), or you can use a hex file loader to load the code into RAM for execution (e.g., the HEXLOAD command in ALTMON or the stand-alone hex loader at FC00h, both already in the FDC+ PROM).

To create a boot disk, use the PC2FLOP utility. See the ReadMe file in the "Disk Image Transfer" folder for further information. Write the CP/M 2.2 image found in the "CPM2.2 Disk Images" folder. The PC2FLOP utility does *not* require the PROM mentioned above, however, the PROM code is required to boot the CP/M disk after it is written.

To boot the CP/M disk, jump to the FDC+3712 boot PROM (or image of the PROM loaded into RAM) at F400h.