

CP/Maker Machine

The CP/Maker machine is a portable, modular computer system, designed to recapture the feel of classic computing, with modern hardware.

The machine centers on a 2" x 3.5" business card-sized CPU, which can be used stand-alone, or plugged in to a 2" x 8" main board, for expansion into a full computer system. A laser-cut wood enclosure holds a small keyboard, an LCD monitor, the circuit boards, and a prototyping area with a breadboard for electronics experimentation and development.

The CPU is a Zilog eZ80 running at 50 MHz, with up to 16 Mb of zero-wait state RAM. A VGA display adaptor provides an IBM PC-like color text-mode display. A USB Host Controller supports a USB keyboard and other USB communications. Data storage and interchange is accomplished by a micro-SD card supporting the FAT file system. All four of these circuit boards (shown on the web site's cover page) are new CP/Maker products, and will be available as part of the first product offering.

The first system software available is 'MakerLisp', a 'Lisp on Bare Metal' system that allows direct access to system hardware, while providing the concise expressive power of a functionally complete Lisp environment.

The machine is also an ideal platform for an extended CP/M system. That port has not started yet, a few options are under consideration. Hardware can be provided for this or other software efforts - if you're interested, ask.

All software, and hardware schematics, will be released as open source under the MIT license. However, "CP/Maker", "MakerLisp", and other brand and product names, will remain the exclusive property of CP/Maker.

Website:

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