OVERVIEW OF ZILOG'S CP/M IMPLEMENTATION

WHAT IS CP/M?

CP/M, standing for Control Program for Microprocessors, was initially designed in 1974 by Digital Research as a generalised operating system for microcomputers. Although not as powerful as Zilog's own operating system, RIO, the widespread use of CP/M on a wide range of microcomputers and the resulting proliferation of software which runs under CP/M has led to CP/M now being regarded as the standard operating system for microcomputers. The entry of CP/M into the 1979 Datapro Software Honour Roll and the resolve of several large micro-computer users to standardise on CP/M has served to emphasise the dominance of CP/M amongst microcomputer users.

WHAT IS ZILOG'S CP/M IMPLEMENTATION?

Recognizing the increasing importance of the vast amount of readily available applications software running under CP/M, Zilog has implemented the most recent version of CP/M, CP/M 2.2 for use on both MCZ-1 and MCZ-2 systems. In addition, several enhancements to standard CP/M have been made. Briefly these are:

- Interrupt-driven console. Zilog's CP/M implementation is believed to be the only one available with this feature.

- Drivers are provided for either a parallel list device or a serial device with an ACK/ETX protocol such as a Diablo, Qume or Spinwriter printer.

- A utility is built into the CP/M BIOS to enable CP/M users to read soft-sectored CP/M diskettes, thus making CP/M software from retail outlets usable on MCZ-1 + MCZ-2 floppy systems.

- A real-time clock is incorporated, which, after being set at the start of a session, may be accessed at any time thereafter.

WHAT EXTRA UTILITIES ARE AVAILABLE?

A utility to read RIO-generated files from CP/M is already available and Zilog expect soon to be able to offer a similar facility enabling the user to read CP/M-generated files under RIO.

WHAT DO ZILOG CP/M PRODUCTS COST?

Prices for Zilog's CP/M products are:

CP/M 2.2 operating system software £150

BIOS source £ 50

Conversion utility to read CP/M files
under RIO and RIO files under CP/M
(currently available for MCZ-1 only). £ 50

Modification kit for MCZ-1 floppy
systems, consisting of instructions
for wiring changes on the MCB and
PROM code changes. £ 50

The modification kit need only be purchased once and used as
desired; it is not licensed. However, all other CP/M products
are licensed to a particular CPU. Licences are held ultimately
by Digital Research.

Volume discounts from the above prices will be handled initially
on an individual basis.

WHAT ZILOG HARDWARE CAN RUN CP/M?

All floppy disk MCZ-1 machines can be modified either in the
field or in the factory, so that they can run Zilog CP/M.
The modification in no way affects the ability of the system
to run RIO.

CP/M will run on MCZ-2 systems without modification.

MCZ-1 floppy disk systems already in the field can be modified
with a retrofit kit consisting of a list of wiring changes for
the MCB board and the new PROM code.

New systems can be ordered with the hardware modifications
incorporated in the factory. The relevant part numbers for
the 50Hz CP/M-modified systems are:

System	Part Number
MCZ 1/20A	05-1016-01
1/50-1	05-1017-01
1/25A-2	05-1011-01
13 1/70-1	05-1012-01
1/20	05-1013-01
1/05	05-1014-01
1/25	05-1015-01

Configurations, pricing, terms and conditions of sale for
the above systems are the same as specified for non CP/M-
modified systems.

WHAT DOCUMENTATION IS AVAILABLE FOR ZILOG CP/M?

Included in the price of the CP/M software is a complete set
of CP/M manuals comprising:

An Introduction to CP/M Features and Facilities
CP/M 2.2 User's Guide
Ed: A Context Editor for the CP/M Disk System User's Manual
CP/M Assembler User's Guide
CP/M Dynamic Debugging Tool User's Guide
CP/M 2.2 Interface Guide
CP/M 2.0 Alteration Guide

In addition, Zilog supply implementation notes for the special
facilities of Zilog CP/M.

For those unfamiliar with CPEM and wishing for an easier
introduction than is provided through the manuals, Zilog
recommend, but do not supply, the paperback book "The CP/M
Handbook with MP/M", by Rodney Zaks, published by Sybex.
The list price of this book is approximately £9.

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