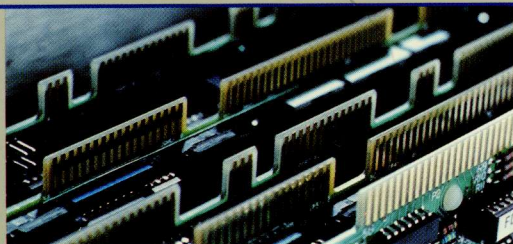
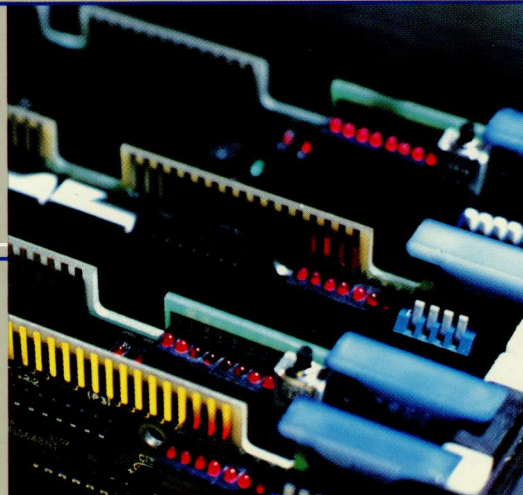
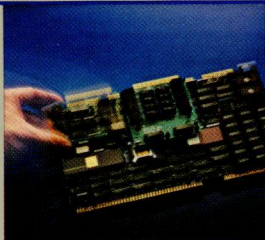
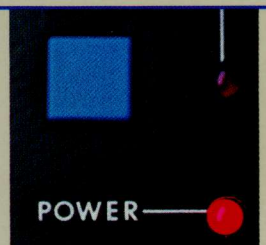
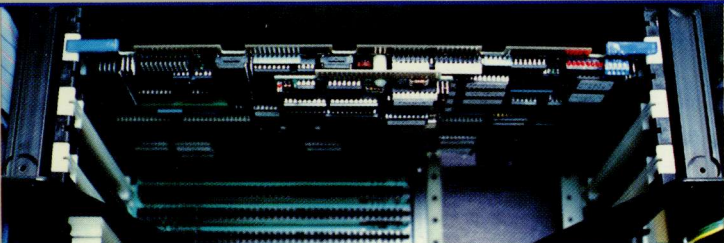


# MINI BOX



HEURIKON CORP



# MINI BOX



## GENERAL

Heurikon presents Minibox™ - Heurikon's multiuser Unix™ workstation based on its powerful HK68™ single board micro-computer and Uniplus+™ System V operating system.

Designed with the OEM in mind, the Heurikon Minibox is both compact and flexible. Included within its 10.5" w × 13.9" h × 20.5" l frame is a 200 or 400 watt power supply, four or six slot Multibus™ card cage (4-5 available for user use!), single double density floppy disk drive, streamer tape drive, 30 or 65 Megabyte Winchester drive expandable to two hundred eighty megabytes (280MB) within the same cabinet (four drive bays are provided). Optional *interactive* on-line streamer tape drive supporting 1-16 users. System status LEDs on the front panel inform the user of CPU and disk drive activity. A drop-away rear panel speeds on-site cable installation.

The heart of the Minibox is the powerful Heurikon MC68000 (or MC68010) 8Mhz or 10Mhz microprocessor. Contained on this single Multibus board is the MPU; quad channel DMAC; floppy disk drive controller; Winchester interface; four to twelve serial ports; from 128K to 1M byte of on-board RAM; up to 128K bytes of EPROM; CPU status LEDs, eight user LEDs and our DIP switches. Service (if necessary) can be done on a single board replacement level.

Because nearly all system facilities reside on the HK68 microcomputer, disk accesses and servicing of user terminals is done at high speed without the time penalty incurred by having to go through the system bus.

We think a workstation for the OEM system integrator should be compact, provide plenty of *extra* card slots to build a system, allow disk storage to be expanded within the cabinet (not piled around it), offer great performance and be cheap so *everyone* can make money. We offer you Minibox — in less than 1.5 square feet of desk space.

## UNIPLUS+™ A MULTIUSER UNIX™ OPERATING SYSTEM

With Uniplus+™ from Unisoft Corporation, Heurikon offers the full power of the Unix™ operating system on the HK68 microcomputer (both swapping and virtual versions are available). Including over 160 programs and commands. Uniplus+™ provides Heurikon customers with a flexible and affordable operating system for program development, text preparation, and general office tasks.

Uniplus+™ is derived from Bell Laboratories System V Unix and supports the most useful System V utilities, Source Code Control System (SCCS), Programmers Workbench and many of the most powerful "Berkeley enhancements" including:

C-SHELL (csh)  
Visual Editor (vi)  
"adb", a general purpose debugger  
"more", a pagination command for CRTs  
"whereis", program and documentation locator  
"yacc", yet another compiler compiler  
and a host of other useful utilities

Uniplus+™ supports a multi-user/multi-tasking environment using a single chip Memory Management Unit.

Included in Uniplus+™ is a full "C" compiler, associated assembler using MIT mnemonics, and linker/loader.

Optional. Languages currently available are:  
Motorola compatible 68000/68010 macro assembler  
ISO Pascal with many of the UCSD extensions (native mode compiler)  
FORTRAN 77 (native mode compiler)  
RM-COBOL  
SVS BASIC (A DEC BASIC-4 compatible BASIC interpreter)  
SMC BASIC (A Basic.Four compatible BASIC interpreter)

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Other languages, utilities, and software products are in the development stage including ADA and APL.

## CP/M-68K™

CP/M-68K™ contains all facilities of other CP/M systems with additional features to account for increased processor address space of up to sixteen megabytes of main memory. Further, CP/M-68K™ maintains file compatibility with all previous versions of CP/M. The file structure allows as many as sixteen drives with up to 512 megabytes on each drive.

CP/M-68K™ includes utility programs such as ED, PIP, and STAT. The debugger, DDT-68K, allows you to debug CP/M-68K™ machine code interactively. The assembler, ASM-68K™, allows you to program in assembly language that consists of Motorola mnemonics. The package also includes a "C" compiler.

**Please inquire about other available operating systems including VRTX™ and others.**

## MINIBOX SPECIFICATIONS

Mechanical —

Dimensions: 13.9" h × 10.5" w × 20.5" l  
Cardrack: 4 or 6 slots — 0.60" spacing  
Standard Multibus™ with serial priority resolution scheme

Environment —

Typical working environment

Electrical —

AC Power  
Input: 110V 60Hz @ 5 Amps  
220V 50Hz @ 2.5 Amps  
DC Power

	Current Ratings		
	+ 5V.H	+ 12V.H	- 12V.H
400 Watt Supply	45A	20A	10A
200 Watt Supply	25A	11A	4A

Example

Power Available to Card Rack  
(3 Hard Disk Drives & 1 Floppy Drive in the System)

	+ 5	+ 12	- 12
400 Watt Supply	38A	10A	10A
200 Watt Supply	18A	4.4A	4.0A

Specifications subject to change without notice.

Call Heurikon Direct **1 800 356-9602** In Wisconsin 1 608 271-8700