

DIMENSION ELECTRONICS CORPORATION



Dear Sir:

Enclosed please find a brochure of the New Dimension 68000 - the most flexible, complete computer in the world. Not only is it 32 bit, there's programming available for it today. Plus, you can run almost all of your existing IBM and Apple software on it.

What you will not find in this brochure is perhaps the most important, recently developed feature of the New Dimension 68000 - a feature so new it's not even covered in the brochure - PROCAD.

PROCAD (CAD/CAM) is one of the fastest, complete Computer Aided Design programs available on the market today. All this is a 16MB ram, 32 bit desk top full featured CAD system that's faster than many mainframes on the market today. Finally, a computer that has the hardware and flexibility to stay with you for years to come.

"PROCAD", an electronic C.A.D. system that provides a new complete tool for the engineer and designer that allows design of an electronic circuit board from initial concept schematics through camera ready artwork for the completed PCB. Complete database information for design, manufacturing, test, purchasing, and support of an electronic assembly... is what PROCAD is all about. There is no (PC) limitation with PROCAD running on the New Dimension 68000 supermicro, just add as much internal RAM and get your project totally completed at a cost far below the competition. With its high resolution graphics boards, amazing speed and 16meg (RAM) memory, the new dimension 68000 is the new low-priced leader in computer aided electronic design!

With the power of Unix and the Emulation of IBM, Apple and other operating systems, the new dimension 68000 is ahead of all other manufacturers in the industry making the new dimension 68000 the most flexible computer in the market place today. Additionally, you can use our Dimension 68000 UNIX system as host for several clones, dumb monitors or other Dimension units for multiuser/networking applications - all this - at a very reasonable price compared to what else is available in the market today.

The new dimension 68000 super-micro allows you to design and create your own software without limitations with regard to internal ram and external storage. The system integration of operating systems, conversions, and emulation boards allows you a true "free hand" at whatever task you have.

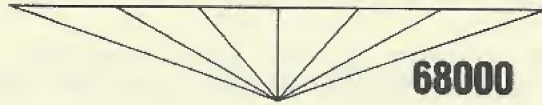
That's why we bought the company! The New Dimension 68000 now being manufactured by: Dimension Electronics Corp. in Fort Smith, Arkansas. You probably have nothing else in your line like the New Dimension 68000. Ask us about our trial evaluation financing and let us show you how to expand your sales into a highly profitable end of the business using your existing sales force.

For Dealer-VAR information on the New Dimension 68000, contact: Pete Charlton, Vice President, Sales. (501) 648-0090.

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new dimension™



68000

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PRODUCT CATALOG AND PRICE LIST

Effective Date: May 1, 1987

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U.S.A. PRODUCT PRICE LIST

NEW DIMENSION 68000 COMPUTER SYSTEM:

The "New Dimension 68000" is the only computer manufactured in the world today that has the "SUPER-MICRO COMPUTE POWER" of a main frame computer for complex computing problems and also has the emulation capabilities of running virtually any software produced on the market today. The Emulation options on the New Dimension 68000 are only added benefits to the end user who wants to move up in speed and power but also wants to use their existing software in their everyday processing.

Single or multiuser configurations continue to stand above the crowd, designed for today and tomorrow, not just filling the gaps in computer history!

New Dimension 68000: \$5200.

The system consists of the following configuration:

- o Motorola 68000 32 Bit Processor
- o 6 Expansion Slots
- o Centronics Style Parallel Printer Port
- o RS-232 Full Duplex Serial Port
- o 2MB RAM installed on CPU Board
(1 Meg or 2 Meg CPU Board optional)
- o CRT Display Controller, Composite Video Output,
Full Graphics Under Software Control
- o Keyboard, 83 Keys, (10 Programmable Function
Keys, Ten Key Pad, with cursor control)
- o CP/M-68K Operating System with UniBasic
Interpreter, 68000 Assembler, 'C' Language,
and Utilities
- o Two Half-Height 5-1/4" DS/DD Disk Drives
(400K Capacity)

EASE NOTE: There is a ninety (90) day warranty on all hardware.

New Dimension UNIX V System Configurations:

UniPlus+ - is UniSoft Corporation's implementation of AT&T's UNIX System V. Besides incorporating all of the popular features of System V, **UniPlus+** also incorporates several additional enhancements added by UniSoft of Berkeley, California.

UniPlus+ System V includes a standard UNIX kernel with additional system calls such as **lockf** for file and record locking and **phys** for user process access to physical memory. Features new to System V include a faster file system; new system administrator facilities; interprocess communications; improved standard libraries; and a line printer spooler system. The standard **UniPlus+** system utilizes swapping to share memory among users.

While a complete list of commands would fill several pages, some highlights of our **UniPlus+** Operating System are the C language, SNOBOL, and a 68000 Assembler; ED, SED, and VI line editors; NROFF Text Processor; TROFF Typesetting Processor; TBL Table Formatter and EQN Equivation Checker and Formatter.

A dimension 68000 **UniPlus+** - system consists of dual 68000 processors, with one 68000 functioning strictly as an I/O server. Disk support is provided for half-height 5-1/4" floppy drives, as well as our 60M-byte and 130M-byte full-height winchester disk options. Support is also provided for up to eight (8) RS-232 Serial ports. Windowing is now an available option with either smart PC's or dumb terminals. **UniPlus+** is a trademark of UniSoft Systems
UNIX is a trademark of Bell Labs

UNIX System: (Single User Development System)

Single User Unix System: \$8895.

All Unix **UniPlus+** (UniSoft Port Software) systems include everything in the Base System, (see Catalog Page 1)

- plus: o Unix Co-processor Card
- o Manuals, and software installed on Hard Disk
- o Hard Disk Controller Card
- * o 2MB RAM Card
- o UNIX Backup (upon receipt of warranty card)
- o AMDEK monitor 300 or 310 (your choice)
- o **UniPlus+** "UniSoft Corporation's implementation of AT&T's UNIX System V Disk
- o 60 MB Hard Disk 13MS access time
- o MMU (Memory Map Unix) Card

Multi-User UNIX Configuration:

5-User UNIX System:..... \$14,995.

- o Add (1) 8-Port Serial Card with (1) 4-Port Breakout Box and (4) 25ft. Cables.

9-User UNIX System:..... \$24,995.

- o Add (1) 8-Port Serial Card with (2) 4-Port Breakout Boxes and (8) 25ft. Cables

TERMINALS: WYSE 50 495.
QUME 395.

UNIXWINDOWS Facet/PC Window Support

- o allows use of PC's as terminals communicates w/ UNIX host 195.
- Facet/Term Window Support
- o allows use of standard ASCII terminals window support w/ UNIX host 250.

(Factory installation charge to add PC Windows to Unix..... \$500.)

DIMENSION PROCAD ENGINEERING WORKSTATIONS



All ProCad Workstations Hardware include:

- o Motorola 68000 processor
- o 6 expansion slots
- o Centronics style parrallel printer port
- o RS-232 full duplex serial port
- o 2MB RAM (CPU Board)
- o Crt display controller
- o Keyboard, 83 Keys, (10 Programmable Function) Keys, Ten Key Pad, with cursor control)
- o CP/M 68K operating system with UniBasic
- o One (1) 5 1/4" floppy disk drive 400K
- o Hard disk controller card
- o 60 megabyte hard disk
- o Hi-res RGB 1024 x 1024 graphics board
Software controlled programmable graphics from 600 x 400 to 1024 x 1024
- o 19" Conrac Hi Resolution Monitor
- o 10MB Tape backup unit

PROCAD WORKSTATION SOFTWARE:

PROCAD Electronic circuit board design-drafting database program.

AUTO TRACE ROUTER
Creates optimized PCB routing, can be graphically manipulated for user optimization.

DESIGN RULE VERIFICATION
PHYSICAL CONNECTION. Verifies users layout with users supplied design rule constrains.

DIMENSION PROCAD GRAPHICS WORKSTATION TOTAL UNIT PRICE: \$17,995.

PROCAD ENGINEERING WORKSTATIONS OPTIONS:

GERBER IMPORT/EXPORT (OPTIONAL)
Using standard 9 track tape, any GERBER controller formats are used to create PROCAD data bases for photo-plotting.

GERBER 9-TRACK CONTROLLER CARD.....	\$595.
130 MB HARD DISK WITH CONTROLLER CARD	\$2,495.
2MB RAM CARDS FOR ADDITIONAL MEMORY	\$1,295.

PLEASE NOTE: There is a ninety (90) day warranty on all hardware.

New Dimension Hardware Options:

UNIT PRICE

			UNIT PRICE
DHCC1D		Hard Disk Controller Card and Cables	995.
DH020C	*	20 Meg Hard Disk Drive w/ o Hard Disk Controller Card o Manual, Software, Cables	1,595.
DH060C	*	60 Meg Hard Disk Drive w/ o Hard Disk Controller Card o Manual, Software, and cables	1,995.
DH080C	*	80 Meg Hard Disk Drive w/ o Hard Disk Controller Card o Manual, Software, and cables	2,500.
DH130C	*	130 Meg Hard Disk Drive w/ o Hard Disk Controller Card o Manual, Software, and cables	3,500.
DPC0Z80	**	Z80 Emulation Card o Manual, Software	195.
DPC286i	**	286i Emulation Card (Introduction-Next Qtr.) o Manual, IBM AT Emulation Software	795.
DPC8086	**	8086 Emulation Card o Manual, IBM PC/XT Emulation Software	295.
DPC6512	**	6512 Emulation Card o Manual, Apple II+ Emulation Software	195.
DPCMACII	**	68000 Macintosh Apple Emulation Card o Manual, Macintosh Emulation Software (Introduction-Next Qtr.)	795.
HWT00L	***	Hardware Tool Kit w/ o 1 Prototyping Board, Set of Timing o Diagrams and Motherboard Schematics	145.
HRRGB		RGB Color Graphics Card and Manual	1,295.
RB2MEG		(2) Two-Meg RAM Card and Manual	1,295.
ST450		Tape Backup Unit - 10MB Streaming Tape Backup Unit with One Cartridge	595.
XLEVEL1		Level One Service Kit o Contact Dimension Electronics for info. o No discount allowed	2,500.

* Factory installation.

** Emulation Requirements: Because there is a 100K overhead when in IBM emulation, it is recommended you have at least a 512K machine if you purchase an IBM emulator card. Emulation also requires 40 track disk drives.

*** A signed and dated Non-Disclosure Agreement must also be submitted (available on Page A-5 of the System Users Guide.)

New Dimension CP/M 68K Software:

UNIT PRICE

SCPM-TOOL *	Software Tool Kit w/	\$99.
	o Motherboard Schematics	
	o Source Code to ROMBIOS and CP/M BIO and other Micro Craft authored programs	
SCPM-VED	VED-68K - Full Screen Editor w/	195.
	o Software and Manual	
SCPM-DIAG	System Hardware Diagnostics	245.
	o Software and Manual	
	o Test Board and Cables	
SCPM-FORT	FORTRAN 77 from SVS	595.
	o Software and Manual	
SCPM-PAS	Pascal from SVS	595.
	o Software and Manual	
SCPM-CBAS	CBASIC Compiler from DRI	600.
	o Software and Manual	
SCPM-PMT+	Pascal/MT+ from DRI	600.
	o Software and Manual	
SCPM-SALV	SALVO from SAI	395.
	o Software and Manual	
SCPM-FGPH	FORTRAN Graphic Routines	99.
	o Software and Manual	
SCPM-PGPH	Pascal Graphic Routines	99.
	o Software and Manual	
SCPM-CGPH	'C' Graphic Routines	99.
	o Software and Manual	
SCPM-IBMS **	IBM Emulation Source Code	99.
SCPM-APPS **	Apple Emulation Source Code	99.
SCPM-Z80S **	CP/M-80 Emulation Source Code	99.
SCPM-CONV	IBM Conversion Program	29.
	o Converts To and From IBM and CP/M-68K	

* A signed and dated Non-Disclosure Agreement must also be submitted (available on Page A-5 of the System Users Guide.)

** A signed and dated License Agreement must be submitted. Contact Dimension Electronics for details.

UNIX Software:

UNIT PRICE

SUNX-FORT	SVS Fortran 77 Software Only	\$ 995.
SUNX-FORM	SVS Fortran 77 Manual Only	49.
SUNX-PASS	SVS Pascal Software Only	995.
SUNX-PASM	SVS Manual Only	49.
SUNX-COBS	RM Cobol Software Only	1,495.
SUNX-COBM	RM Cobol Manual Only	99.
SUNX-BASS	Basic+ for Unix Software Only	695.
SUNX-BASM	Basic+ Manual Only	49.
SUNX-ADAS	ISGS ADA Software Only	4,995.
SUNX-ADAM	ISGS ADA Manual Only	49.
SUNX-LEXS	Lex - A full featured word processor o Software and Manual	895.
SUNX-INFX	Informix - A Powerful Database Manager ... o Software and Manual	1,795.
SUNX-VIWS	Viewcomp - A Spreadsheet program o Software and Manual	595.
SUNX-ULTS	Ultracalc - A Spreadsheet program o Software and Manual	995.

Miscellaneous:

CPM-MANULS	CP/M-68K w/ o 'C' Compiler from DRI Software & Manuals (User, Prgmrs, Sys., C Prgmr)	\$ 125.
CPM-C	CP/M-68K and 'C' Manual	95.
CPM-SOFT	CP/M-68K System software (5 disks)	50.
DM-USER	Dimension 68000 System User's Guide.....	25.
DM-REF	Dimension 68000 Maintenance Manual	25.
SYS-BASREF	UniBasic System Reference Manual	25.
SYS-BASUSR	UniBasic Users Guide	25.