

**MICROSOFT,**  
**XENIX<sup>TM</sup> Operating System**

**OEM Directory**

May 1, 1983

**Introduction**

XENIX is Microsoft's implementation of the UNIX<sup>™</sup> operating system developed by Bell Laboratories. It is a true UNIX OS-derived product which is licensed by AT&T. XENIX is *not* a UNIX OS look-alike, it *is* the UNIX OS and *more*.

This Directory is offered as a service to persons seeking a source for XENIX. One of the least understood facts of life in the 16-bit microcomputer marketplace is the incredible jump in complexity micros have experienced in migrating from 8-bit microprocessor chips and simplistic operating systems (actually little more than system monitors) to 16-bit microcomputers with the power, flexibility, and therefore complexity of minicomputer systems many times their cost.

XENIX offers all the facilities of a fully-developed minicomputer operating system. Unfortunately, the 16-bit microprocessor chips alone do not offer all the memory management and protection facilities offered by the CPU s of their mini counterparts. As a result, hardware manufacturers must compensate for this deficiency in additional hardware. This causes two problems not encountered in 8-bit systems: 1) The complexity and resources required to design and implement the auxiliary hardware required makes it extremely difficult if not impossible for the very small manufacturer to develop a computer capable of supporting a system such as XENIX from scratch, and 2) Since

there is no standard way of implementing this auxiliary hardware, the XENIX kernel must be custom-tailored to each new hardware environment. This is far more difficult than writing a CP/M BIOS, and is a task that is not something someone not already intimately familiar with UNIX OS internals should attempt.

As a result of the difficulties outlined above, XENIX "availability" is a complex issue. The companies listed in this directory are for the most part hardware manufacturers who have worked with Microsoft to ensure their systems supply XENIX with the functionality it needs in order to provide its full capabilities in the most reliable fashion. The notable exceptions to the "hardware manufacturer" rule are the UNIX software houses who are supporting XENIX as the commercial standard version of the UNIX operating system, and are either distributing XENIX on an individual copy basis onto *specific* hardware configurations, or are offering configuration (adaptation) services to hardware manufacturers or OEMs who want XENIX on a system with a memory management configuration not currently supported by Microsoft.

Most of the hardware manufacturers listed do offer OEM terms to smaller manufacturers, integrators, OEMs and major companies seeking a quick way to introduce a XENIX-based product.

Company	Processors			
	PDP-11	Z8000	8086	68000
<b>3Com Corporation</b> Mt. View, California	■	■	■	■
<b>Altos Computer Systems</b> San Jose, California			■	
<b>Central Data Corporation</b> Champaign, Illinois		■		
<b>Convergent Technologies</b> Santa Clara, California			■	
<b>Forward Technology, Inc.</b> Santa Clara, California				■
<b>General Automation, Inc.</b> Anaheim, California				■
<b>Hunkar Laboratories, Inc.</b> Cincinnati, Ohio	■			
<b>Intel Corporation</b> Santa Clara, California			■	
<b>Logica Holding Ltd.</b> London, ENGLAND	■	■	■	■
<b>Microbar Systems, Inc.</b> Palo Alto, California			■	■

Company	Processors			
	PDP-11	Z8000	8086	68000
<b>Microsoft Corporation</b> Bellevue, Washington				■
<b>NABU Manufacturing Corp.</b> Ottawa, Ontario, CANADA			■	
<b>Paradyne Corporation</b> Largo, Florida		■		
<b>Parallel Computers, Inc.</b> Santa Cruz, California				■
<b>The Santa Cruz Operation</b> Santa Cruz, California	■	■	■	■
<b>Seattle Computer</b> Seattle, Washington			■	
<b>Sritek Inc.</b> Cleveland, Ohio			■	■
<b>Sydis, Inc.</b> San Jose, California				■
<b>TRW Datacom</b> Los Angeles, California			■	
<b>Zentec Corporation</b> Santa Clara, California			■	

**Note:**

This listing is meant to be a quick reference only. For details on the actual products and services provided by these companies and conditions of delivery, please refer to the specific data sheets enclosed, or call the company.

# 3Com Corporation

1390 Shorebird Way  
Mountain View, CA 94043  
(415) 961-9602

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## Products

Computer systems with XENIX  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX ■  
Extensions to standard XENIX ■

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## Processors

PDP-11 ■  
Z8000 ■  
8086 ■  
68000 ■  
Other ■

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## Marketing Data

Primary market definition: Business systems,  
desktop computers, CAD/CAE  
Primary distribution channel(s): OEMs, computer  
hardware manufacturers, system developers

Name under which product is sold: UNET™  
OEM/DLR terms offered? Yes  
First customer ship: 1980

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## Product Description

UNET is a general purpose networking software package which can link multiple XENIX systems together. UNET provides: file transfer, virtual terminal, mail transfer, and process-to-process communications.

UNET extends the power of a multiple computer installation by allowing the individual computers to communicate and exchange information. Automatic route-through allows computers not

physically connected to exchange information through an intermediate node.

UNET can support multiple types of network links — drivers are included for Ethernet and RS-232. Drivers for other types of networks can easily be written. Implementors should have XENIX kernel experience.

Requires a system with 256KB minimum memory. Available on 800 or 1600 bpi mag tape.

**Products**

Computer systems with XENIX  
 XENIX configured for systems  
 XENIX-related consulting  
 Applications under XENIX  
 Extensions to standard XENIX

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**Processors**

PDP-11  
 Z8000  
 8086  
 68000  
 Other

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**Marketing Data**

Primary market definition: Small business computer market  
 Primary distribution channel(s): Distributors, dealers, OEMs  
 Name under which product is sold: XENIX  
 Quantity 1 orders accepted? Yes  
 Qualifications: May purchase through dealers

OEM/DLR terms offered? Yes  
 Qualifications: Minimum purchase \$500,000 per year  
 First customer ship: 8600 – 1Q 1982;  
 586 – 4Q 1982

**Product Description**

Model No.	No. of Users	RAM Memory	No. of Floppy Disks	Floppy Disk Storage	Winchester Storage	I/O Ports Serial/Parallel	List Price
586-10	1-5	512KB	1	1MB	12MB	6 / -	\$ 7,990
8600-12	1-8	512KB	1	½MB	20MB	8 / 1	\$12,500
8600-14	1-8	512KB	1	½MB	40MB	8 / 1	\$14,500

Languages available under XENIX for 8600 and 586  
 M Basic 86 Interpreter  
 Microsoft Basic Compiler  
 RM Cobol  
 Level II Cobol  
 C Basic 16  
 C Isam  
 Business Basic III-SML  
 MS-Fortran  
 MS-Pascal  
 SoftboIII

Application Software  
 Accountant II  
 Horizon Word Processor  
 Multiplan Financial Planner  
 Informix DBMS

Networking  
 Altos-Net, Local Network Software (586 only)

# Central Data Corporation

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1602 Newton Drive  
Champaign, IL 61821-1098  
(217) 359-8010

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## Products

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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## Processors

PDP-11  
Z8000 ■  
8086  
68000  
Other

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## Marketing Data

Primary market definition: Development systems,  
small business systems

Primary distribution channel(s): OEMs, volume  
end-users

Name under which product is sold: XENIX

Quantity 1 orders accepted? Yes

Qualifications: Evaluation units only

OEM/DLR terms offered? Yes

Qualifications: OEMs with more than 25 units/  
year

First customer ship: January 1981

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## Product Description

Multibus-based Z8000 processor with a wide  
variety of peripheral products, all manufactured by  
Central Data. Typical system includes 20-60M of

8-inch Winchester, and 8-16 RS-232 ports (using  
intelligent or non-intelligent I/O boards).

2500 Augustine Drive  
Santa Clara, CA 95051  
(408) 727-8830, ext. 2240

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**Products**

Computer systems with XENIX  
XENIX configured for systems ■  
XENIX-related consulting  
Applications under XENIX ■  
Extensions to standard XENIX

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**Processors**

PDP-11  
Z8000  
8086 ■  
68000  
Other

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**Marketing Data**

Primary market definition: Desktop workstations  
Primary distribution channel(s): OEMs  
Name under which product is sold: XENIX  
Quantity 1 orders accepted? Yes  
Qualifications: Higher fully supported price

OEM/DLR terms offered? Yes  
Qualifications: Lower use-only license price  
First customer ship: May 1983

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**Product Description**

Native implementation of XENIX on Convergent  
IWS and AWS workstations. Supports full set of

XENIX utilities. Requires 10MB harddisk and 512KB  
for a full multi-user XENIX environment.

# Forward Technology, Inc.

2175 Martin Avenue  
Santa Clara, CA 95050  
(408) 988-2378

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## Products

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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## Processors

PDP-11  
Z8000  
8086  
68000 ■  
Other

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## Marketing Data

Primary market definition: High-resolution graphics workstation for the scientific/engineering professional  
Primary distribution channel(s): Direct, volume end-users, OEMs

Name under which product is sold: XENIX  
Quantity 1 orders accepted? Yes  
OEM/DLR terms offered? Yes  
Qualifications: Based on volume of purchase  
First customer ship: July 1982

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## Product Description

Base configuration includes:  
FT-68X, 10mhz, 32-bit 68000 processor  
Memory management unit  
256KB of no wait state RAM  
Two programmable serial ports  
Eight-slot multibus card cage  
20MB 5¼" Winchester disk with 30MS average access time  
20MB ¼" cartridge tape drive  
XENIX operating system (single user)  
"C" compiler  
68000 assembler

Options available:  
84MB 8" Winchester disk with 23MS average access time  
Graphics workstation including:  
128KB of graphics memory arranged in 1024 x 1024 bit map  
high speed graphics "Raster Op" processor  
high resolution 1024 x 800 point 15" CRT ergonomic, portrait mount, display  
VT 100 layout, ergonomic keyboard  
Multiuser (8 additional serial ports)  
Local area network (Ethernet controller and software)  
9-track tape

The desktop workstation supports up to 2 graphics stations. Non-graphics version workstation will support up to 16 alphanumeric terminals.

System memory is expandable to 8MB. Mass storage expandable to up to 4 80MB Winchester drives with DC 800 cartridge backup.

1045 South East Street  
Anaheim, CA 92805  
(714) 778-4800

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**Products**

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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**Processors**

PDP-11  
Z8000  
8086  
68000 ■  
Other

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**Marketing Data**

Primary market definition: General purpose  
business systems, OEM systems  
Primary distribution channel(s): Distributors,  
OEMs and volume end-users  
Name under which product is sold: XENIX

Quantity 1 orders accepted? Yes  
Qualifications: For evaluation by volume  
customers; discounts based on volume  
commitments  
OEM/DLR terms offered? Yes  
First customer ship: June 1983

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**Product Description**

The Zebra™ microcomputer family combines the MC68000® microprocessor architecture with the XENIX™ operating system and features an ISAM file facility, a full relational database management system (INFORMIX™) with a data entry and data inquiry system and a report generator, RM COBOL™, MF COBOL™, SMC BASIC™, a DIBOL® compatible compiler, PASCAL, and

FORTRAN 77. A wide range of alternatives from a desktop, single-user 256KB system to a modular clustered configuration are offered. A comprehensive distributed processing capability with full networking support and industry standard communications is under development. General Automation offers worldwide hardware and software support.

# Hunkar Laboratories Inc.

7007 Valley Avenue  
Cincinnati, OH 45244  
(513) 272-1010

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## Products

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX ■  
Extensions to standard XENIX

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## Processors

PDP-11 ■  
Z8000  
8086  
68000  
Other

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## Marketing Data

**Primary market definition:** Production monitoring systems for the plastic molding industry including all areas of production

**Primary distribution channel(s):** Direct sales force, manufacturing representatives

**Name under which product is sold:** XENIX

**Quantity 1 orders accepted?** Yes

**OEM/DLR terms offered?** Yes

Qualifications: OEM primary area must not be in an area covered by an existing OEM/distributor

**First customer ship:** March 1983

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## Product Description

The Hunkar Factory Management System is a combination of DEC PDP/11 series hardware and XENIX and "C" programming that enables operational, management and supervisor personnel to more efficiently perform their duties. The F.M.S. system provides key production data on a real time basis. The system provides key management reports for individual shift, daily and extended production periods. The DEC serves as the main gathering point for all data received from the molding machines, secondary operations or Hunkar Data Terminals. The HDT 801 Terminal is a pro-

grammable microprocessor terminal for production, personnel and other manufacturing information input.

### Minimum Configuration

DEC 11/23+ 256KB memory  
20MB disk  
1MB diskette  
1 LA 120  
1 CRT  
XENIX  
"C" language  
Hunkar data terminals

## Intel Corporation

3065 Bowers Avenue  
Santa Clara, CA 95051  
Contact Local Intel Sales Office  
or Authorized Distributor

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### Products

Computer systems with XENIX ■  
XENIX configured for systems ■  
XENIX-related consulting ■  
Applications under XENIX ■  
Extensions to standard XENIX

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### Processors

PDP-11  
Z8000  
8086 ■  
68000  
Other 286 (Future)

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### Marketing Data

Primary market definition: OEMs  
Primary distribution channel(s): OEMs, volume  
end-users, distributors, direct  
Name under which product is sold: XENIX

Quantity 1 orders accepted? Yes  
OEM/DLR terms offered? Yes  
First customer ship: July 1982

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### Product Description

#### Microsoft XENIX Operating System from Intel

Intel offers the Microsoft XENIX operating system to volume end-users and OEMs using Intel boards and systems. The Intel product is the complete XENIX product derived from Bell Laboratories' UNIX Version 7. This includes the operating system, program development environment, text processing, information handling and miscellaneous utilities.

The current Intel product is configured for operation in the Intel System 86/330 and System 86/730 families. This includes the System 86/330X, System 86/380X and System 86/730.

The System 86/330X includes an iSBC 86/30 processor board, an iSBEC 309 memory management unit, 384KB RAM, a 35MB Winchester disk, and a 1.1MB floppy disk in a pre-assembled, pre-configured system.

The System 86/730 is an 86/330X with 768KB RAM and integrated software (not available separately) that includes spreadsheet (Multiplan),

word processing, relational database management, and a menu/forms package. Both these systems offer high performance multi-user support in a systems environment.

The current Intel product will also operate with an equivalent user-assembled system of Intel boards. These include the iSBC 86/12 with an iSBC 308 or an iSBC 86/30 or 86/14 with an iSBC 309 for the processor board and iSBC 215 and iSBX 218 disk controller. A minimum of 20MB of hard disk is also required.

Future releases of the product will include additional device drivers, Microsoft XENIX enhancements (including a System III Upgrade), and configurations for the Intel iAPX 186 and 286 microprocessors.

Intel offers the complete XENIX solution including hardware, software, and support.

# Logica Holding Ltd.

64 Newman Street  
London W1A 4SE  
England 01-637-9111  
Telex 27200

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## Products

Computer systems with XENIX  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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■  
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## Processors

PDP-11  
Z8000  
8086  
68000  
Other 16032

■  
■  
■  
■  
■

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## Marketing Data

Primary market definition: OEM/end-user  
software products supply and support  
Primary distribution channel(s): OEMs, sales  
agents, end-users, value-added OEMs

Name under which product is sold: XENIX  
Quantity 1 orders accepted? Yes  
OEM/DLR terms offered? Yes  
First customer ship: April 1981

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## Product Description

Complete support services  
Software installation  
User training  
Documentation

Custom port to proprietary processors  
Product consulting  
C compiler development  
XENIX configurations for proprietary  
processors

OEM adaption of XENIX software to micro-  
processor-based systems  
Product consulting  
Hardware consulting  
Configuration of XENIX for specific systems

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**Products**

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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**Processors**

PDP-11  
Z8000  
8086 ■  
68000 ■  
Other 80286 as available

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**Marketing Data**

Primary market definition: OEMs  
Primary distribution channel(s): OEMs, volume  
end-users, distributors, representatives  
Name under which product is sold: XENIX

Quantity 1 orders accepted? Yes  
OEM/DLR terms offered? Yes  
First customer ship: March 1983

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**Product Description**

Microbar offers the Microsoft XENIX operating system to volume end-users and OEMs using Microbar boards. The Software is provided pre-configured for a variety of disk subsystems and is reconfigurable by the OEM using the documentation provided. The products below are "System Integrators Packages" designed for the professional industrial system integrator using Multibus™ board level products. They include the CPU board (fully configured) with memory management, 512KB RAM, and XENIX on the appropriate media. (Chassis and peripherals would be purchased

from other vendors and are described in detail in the System Integrators User's Guide provided.)

8086:DBX86 Using high performance dual bus CPU, 512KB RAM, 2 RS-232 (min), Intel-compatible memory management. 8087 optional. Multibus compatible.

6800:DBX68K2 Using high performance dual bus CPU, 512KB RAM, 2 RS-232 (min), 68451 or page-oriented memory management. Multibus compatible.

80286:DBX286 Expected to be available as soon as XENIX-286 is available.

# Microsoft Corporation

10700 Northup Way  
Bellevue, WA 98004  
(206) 828-8880 828-8880  
Attn: John Uleft

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## Products

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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## Processors

PDP-11  
Z8000  
8086  
68000 ■  
Other

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## Marketing Data

Primary market definition: Small business systems  
Primary distribution channel(s): Retail stores  
Name under which product is sold: XENIX

Quantity 1 orders accepted? Yes  
OEM/DLR terms offered? Yes  
First customer ship: 3Q 1983

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## Product Description

### Apple Lisa-XENIX

#### HARDWARE: (from Apple)

MC68000  
1MB memory  
5MB hard disk  
2 870KB diskette drives  
1 parallel, 2 serial ports  
Bit-mapped high-res console  
Letter quality printer  
Dot-matrix printer

#### SOFTWARE:

XENIX timesharing system  
(all the software needed to run applications)  
XENIX multi-user upgrade  
(4 port serial card, multi-user software)  
XENIX software development systems  
(C compiler, debugger, development utilities)  
XENIX text processing system  
(Nroff, Troff, text utilities)

Commercial Systems Division  
331 Cooper Street  
Ottawa, Ont. Canada  
(613) 238-6253 Telex 053-3632

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**Products**

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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**Processors**

PDP-11  
Z8000  
8086 ■  
68000  
Other

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**Marketing Data**

Primary market definition: Small business systems, distributed processing  
Primary distribution channel(s): Direct sales, OEMs, distributors  
Name under which product is sold: XENIX

Quantity 1 orders accepted? No  
OEM/DLR terms offered? Yes  
Qualifications: Volume-based  
First customer ship: February 1983

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**Product Description**

The NABU 1600 highlights:

- 4.9 MHz Intel 8086 CPU
- Optional 8087 floating point co-processor
- 512KB RAM
- Memory management unit
- 4 serial RS-232C ports
- Floppy disk: 800KB
- Hard disk: up to 40MB

A software integration program modifies and enhances software which is fully supported by NABU, Class I. Present software in this class includes a menu system, Informix™, word

processor and Multiplan™ along with Level II COBOL™, FORTRAN 77, asynchronous and bisynchronous communications. Class II software, tested and recommended by NABU, include Pascal, RM COBOL, BASIC, DIBOL and several application packages.

The CPU is 2¾" x 15½" x 18¾" and weighs 10 pounds. The storage unit is 5" x 15½" x 18¾" and weighs 15 pounds. The units are stackable and are designed for desk top space. Hardware and software is supported through NABU's 39 Field Service Offices across Canada and the United States.

## Paradyne Corporation

P.O. Box 2826  
8550 Ulmerton Road  
Largo, FL 33540  
(813) 530-2600

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### Products

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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### Processors

PDP-11  
Z8000 ■  
8086  
68000  
Other

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### Marketing Data

Primary market definition: Networks users  
Primary distribution channel(s): Direct sales  
Name under which product is sold: XENIX  
Quantity 1 orders accepted? Yes

OEM/DLR terms offered? Yes  
Qualifications: For value-added integrators  
First customer ship: March 1981

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### Product Description

Intelligent terminal controller with minicomputer functions and office orientation. Supports up to 16 Paradyne PDS terminals and printers which are intelligent devices.

Multiple simultaneous network protocols (IBM 3270 and Paradyne Pixnet™) are supported. Each terminal user may select host-based sessions or local XENIX processing independently from other users.

Multiple processors provide a "layered" architecture to match the "layered" protocols. An

8088-based serial processor performs data link, path and transmission control. The Z8001 central processor provides XENIX processing and host session control. The Z80A terminal controller provides data control and presentation services. The Z80A display terminal performs end-user application tasks.

Full language support, executive processing tools and data base capabilities will be announced this spring.

## Parallel Computers, Inc.

1201 Shaffer Road, Building 1  
P.O. Box 1187  
Santa Cruz, CA 95061  
Attn: Bob L. Mann

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### Products

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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### Processors

PDP-11  
Z8000  
8086  
68000 ■  
Other

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### Marketing Data

Primary market definition: Low end fault-tolerant market  
Primary distribution channel(s): OEMs  
Name under which product is sold: The CPU-16  
Quantity 1 orders accepted? Yes  
Qualifications: Contact company

OEM/DLR terms offered? Yes  
Qualifications: Quantity  
First customer ship: Production 3Q 1983  
(Beta test, June 1983)

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### Product Description

The CPU™ (Continuous Processing Unit) line of computers from Parallel, makes fault-tolerance economical for almost any application. The systems are based on the Motorola 68000 and run under the industry standard XENIX operating system.

The CPU line supports up to 16 users with hard disk storage ranging from 20 megabytes to 1.2 gigabytes. The CPU-16 has been benchmarked as one of the fastest UNIX machines on the market. Because the processor's memory resides on a local high speed bus, the processor can run at full speed (10MHz with no wait states) resulting in performance that can truly support 16 users. Any

application that runs under the XENIX operating system will run without modification on the CPU-16.

All major components in the system are duplicated so that if a failure occurs the system continues to operate without downtime or loss of data. In addition, the CPU line is self-diagnosing and User-Serviceable™. Failed components are diagnosed and isolated, while the CPU's modular fix-it-yourself approach allows the user to pull the bad component and plug in the new one — without tools or expert help.

With the low cost of the CPU-16, it is no longer necessary to tolerate downtime and loss of data.

## The Santa Cruz Operation

500 Chestnut Street  
Santa Cruz, CA 95060  
(408) 425-7222  
Attn: Doreen Hamamura

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### Products

Computer systems with XENIX  
XENIX configured for systems ■  
XENIX-related consulting ■  
Applications under XENIX ■  
Extensions to standard XENIX ■

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### Processors

PDP-11 ■  
Z8000 ■  
8086 ■  
68000 ■  
Other Negotiable ■

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### Marketing Data

Primary market definition: Technical support for  
OEM/XENIX ports  
Primary distribution channel(s): OEMs, distributors  
Name under which product is sold: XENIX

Quantity 1 orders accepted? Yes  
Qualifications: Previously supported configuration  
OEM/DLR terms offered? Yes  
Qualifications: Quantity commitment  
First customer ship: December 1980

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### Product Description

The Santa Cruz Operation (SCO) — Microsoft's initial second source for the XENIX operating system — has a full-service XENIX second source program. As a second source, SCO has ported XENIX to all popular microprocessors including the unmapped 8086 and the LSI 11/23™.

SCO offers full system services for OEMs and distributors. These services include design consultation, XENIX adaptations, software adaptations, networks and communications, ongoing product support, and XENIX licenses. SCO offers installation, documentation, and upgrades to new XENIX releases.

SCO's services include technical support and training for the OEM's staff.

Software packages from SCO available for XENIX systems include Micro Focus COBOL

products, Relational Database Systems' Informix™ DBMS, the Uniplex™ office automation system, and Microsoft's Multiplan™ electronic spreadsheet. SCO distributes The UNIX™ System Tutorials, a self-paced training system suitable for a variety of audiences.

For the PDP-11™ family, SCO has a ready-to-ship development package backed by operating system specialists. SCO supplies XENIX in a reconfigurable format so that OEMs can add special-purpose devices. Support services for **uucp** (UNIX-to-UNIX copy) and **sccs** (source code control system) are available.

For DEC's LSI 11/23 and other non-split instruction and data space machines, XENIX uses a memory overlay method that enables complete UNIX functionality.

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**Products**

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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**Processors**

PDP-11  
Z8000  
8086 ■  
68000  
Other

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**Marketing Data**

Primary market definition: Engineering/Scientific;  
high-end business systems  
Primary distribution channel(s): OEMs, dealers  
Name under which product is sold: XENIX

Quantity 1 orders accepted? Yes  
Qualifications: OEM, dealer, institution  
OEM/DLR terms offered? Yes  
Qualifications: Purchased for resale  
First customer ship: October 1983

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**Product Description**

Seattle Computer plans to offer a XENIX version of its Gazelle II 10 MHz 8086 computer in October, 1983. In the minimum configuration, the unit will contain 256KB of RAM, a 15MB hard disk, a 1.25MB half-height 8" floppy, six RS-232 ports, and one parallel port. RAM may be increased in 256KB increments, and a number of larger Winchester disk options are expected to be

available. The mainframe is desk-high and features 18 S-100 slots, providing substantial expansion capability. It also features switching power supplies which are jumper-selectable for 115/230V and 50/60 Hertz. Dealer/OEM price in small quantities (without terminals) for the minimum size system is expected to be in the \$6500 range.

## Sritek Inc.

10230 Brecksville Road  
Cleveland, Ohio 44141  
(216) 526-9433

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### Products

Computer systems with XENIX  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

■  
■  
■

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### Processors

PDP-11  
Z8000  
8086  
68000  
Other iAPX 286 and NC16032

■  
■

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### Marketing Data

Primary market definition: Commercial/Engineering workstations  
Primary distribution channel(s): OEMs, dealers and volume end-users  
Name under which product is sold: XENIX-68000

Quantity 1 orders accepted? Yes  
Qualifications: Until dealer network is complete  
OEM/DLR terms offered? Yes  
First customer ship: June 1, 1983

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### Product Description

Sritek offers advanced 16- and 32-bit processor extensions — based on the 68000, the iAPX-286 and the 16032 microprocessors — for the IBM® Personal Computer and the XT. The XENIX operating system is offered on the 68000 and the iAPX-286. The 68000 processor card with its powerful onboard memory management unit (MMU), is equipped with 521KB of memory. The iAPX-286 processor, with its built-in MMU and the numerical processor extension (80287), is also equipped with 512KB of memory. In addition to supporting XENIX the 286 processor card also

executes the existing IBM PC programs with a 500% increase in throughput.

In the enhanced configuration, the 8088 processor in the PC attends to all I/O processing chores while the expansion processor supports operating system and user applications. This concurrent processing gives excellent throughput for multi-user systems.

A 90 day warranty coverage on hardware is standard for all products offered by Sritek. Additional information on service and support will be provided upon request.

**Sydis, Inc.**

4340 Stevens Creek Boulevard  
San Jose, CA 95129  
(408) 243-8430

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**Products**

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX ■

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**Processors**

PDP-11  
Z8000  
8086  
68000 ■  
Other ■

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**Marketing Data**

Primary market definition: Office automation  
Primary distribution channel(s): OEMs and  
system houses  
Name under which product is sold: Sydix™  
Quantity 1 orders accepted? No

OEM/DLR terms offered? Yes  
Qualifications: Based on purchase contract terms  
First customer ship: November, 1983

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**Product Description**

Voice, the oldest form of human communication, is now also the newest. The VoiceStation™ System (VSS) by Sydis™ makes it possible to create real time and stored voice messages, making voice truly a part of office automation. But it's just one of many functions that make VSS the most practical business tool since the type-writer, and a profitable proposition for OEMs.

Designed for knowledge workers, multifunctional VSS augments worker productivity through an interface which simulates real office tools, and a system that can respond with all the speed and accuracy of state-of-the-art technology.

Designed to provide outstanding reliability and profit for OEMs, VSS combines a powerful operating system with a distributed multi-computer architecture. The Sydis operating system is an enhanced version of XENIX™ which is derived from UNIX™ System III. The Sydis Information Manager (SIM) is modularly constructed around multiple high performance Motorola 68000 processors to support from 16 to over 300 users. VSS installs by utilizing existing telephone wires (no coax costs!). And, the VoiceStation System's workstation is so unusual in its range of capabilities, we named the entire system after it.

# TRW Datacom International Division

10880 Wilshire Boulevard  
Los Angeles, CA 90024  
(213) 475-9861

Workstation Systems Product Marketing Manager

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## Products

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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## Processors

PDP-11  
Z8000  
8086 ■  
68000  
Other

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## Marketing Data

Primary market definition: Distributed data processing & automated office  
Primary distribution channel(s): International distributors  
Name under which product is sold: XENIX  
Quantity 1 orders accepted? Yes  
Qualifications: Arrangements of individual distributors

OEM/DLR terms offered? Yes  
Qualifications: Arrangements of individual distributors  
First customer ship: 3Q 1983

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## Product Description

XENIX is being offered on the Convergent Technologies IWS and AWS families of multi-functional workstations. Each workstation can concurrently support up to 3 XENIX users by attaching to ASCII terminals. Both product families are packaged as compact desk top workstations suitable for general data processing and office environments. A variety of peripherals and communication protocol/emulation can be supported.

Each workstation family has the following characteristics:

### IWS

- 8086 processor
- 120XB-256KB RAM memory
- 10-120MB integral Winchester storage
- 15" CRT w/34 rows of 80/132 characters
- (2) RS-232C programmable serial ports
- (1) parallel port (Centronix printer)
- multi-bus card cage

### AWS

- 8086 processor
- 256-512KB RAM memory
- 5-16MB integral Winchester storage
- 15" CRT w/28 rows of 80 characters
- (2) RS-232C programmable serial ports
- (1) parallel port (Centronix printer)

## Zentec Corporation

2400 Walsh Avenue  
Santa Clara, CA 95050  
(408) 727-7662

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### Products

Computer systems with XENIX ■  
XENIX configured for systems  
XENIX-related consulting  
Applications under XENIX  
Extensions to standard XENIX

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### Processors

PDP-11  
Z8000  
8086 ■  
68000  
Other

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### Marketing Data

Primary market definition: General purpose business systems

Primary distribution channel(s): OEM only  
Name under which product is sold: XENIX and UNIX

Quantity 1 orders accepted? No  
OEM/DLR terms offered? OEM

Qualifications: Quantity-based  
First customer ship: 4Q 1982

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### Product Description

Small multi-user business system based on 8MHz 8086, with optional 8MHz 8087 arithmetic co-processor. First workstation is integral with main processor.

Memory capacity is from 256KB to 1MB, with parity.

Disk capacity is up to four 5¼" Seagate-compatible Winchester, with intelligent DMA controller handling multi-sector/multi-track operations, with implied imbedded seeks and with seek overlap. As many as two flexible disk drives (each of 738KB capacity) may be substituted for Winchester.

Intelligent workstations (with program downloading capability and from 16 to 56KB of usable memory) and other bit-serial peripherals are handled by six high-performance and two medium-performance ports, all of which support EIA RS-232C and EIA RS-422A. The six high-performance ports are on an intelligent DMA workstation controller.

A DMA-attached multi-bus adapter is offered as an option.

# MICROSOFT<sup>®</sup>

MICROSOFT CORPORATION  
10700 NORTHUP WAY  
BELLEVUE, WASHINGTON 98004

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