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BVR -2/16/90

WALKABOUT/SX

FEATURES AND BENEFITS

- **High-performance, battery-powered, 16-MHz laptop computer based on the Intel 386SX™ processor**
  —*Provides portable, cost-effective, PC processing power for a wide range of applications and environments*

- **Tiltable, VGA, page-white LCD screen with 32 levels of grayscale emulation** *16*
  —*Provides easy screen readability and gives graphics users a wide range of flexibility*

- **Up to 8 MB memory on system board through single in-line memory modules (SIMMs)**
  —*Lets users run large programs and allows high-speed memory expansion*

- **Standard 1.44-MB diskette drive and high-speed 40-MB hard disk**
  —*Provides a flexible range of disk storage options for a variety of business applications*

- **Dual-mode modular power system**
  —*Slide-in battery and AC packs let users customize the system to meet their power requirements*

- **Intelligent power management**
  —*Provides optimal battery life/management through automatic sleep modes*

WALKABOUT/SX™ is a high-performance, PC-AT®-compatible laptop computer designed to support a variety of computing needs. Based on the Intel 16-MHz 386SX chip, this battery-powered, portable computer offers the size and price range of 286-based laptops while offering the processing power, disk storage, and open slots of many desktop PCs. As a result, users no longer have to sacrifice power and performance for portability, since they can run all their business applications at any location.

Features such as a VGA page-white LCD with 32 levels of grayscale, a dual-mode power system, 16 MHz 386SX performance, up to 8 MB of memory, a 40-MB hard disk, and user-installable expansion modules make WALKABOUT/SX the ideal solution for today's mobile professional.

DISPLAY

The brilliant page-white LCD displays 32 levels of gray, allowing the WALKABOUT/SX to run color application software with no loss of clarity. It offers VGA (640 x 480) resolution and full backwards compatibility with EGA, CGA, MDA, and Hercules modes.

KEYBOARD

The 86-key WALKABOUT/SX keyboard is compatible with the IBM 101-key keyboard and features full-sized keys. It includes an integral numeric keypad, dedicated cursor-control keys, and 12 programmable function keys. An external keypad port lets users attach an optional external keypad.

DUAL-MODE MODULAR POWER SYSTEM

The WALKABOUT/SX modular internal-external power system features a battery pack and an AC adapter that slide into the main system, allowing users to customize it to meet their power requirements.

The WALKABOUT/SX can operate with the internal AC adapter or with the internal, rechargeable, removable battery pack. Both are standard with each system. The AC adapter powers a fully configured system and charges the battery.

An external Quickcharger, operated from a standard AC outlet or car cigarette lighter, lets users recharge a battery pack in less than four hours.

INTELLIGENT POWER MANAGEMENT SYSTEM

Three or more hours of battery life is achieved through an intelligent power management system. Several sleep modes are featured, including automatic power-down of the display screen and the hard disk when no key is touched for a user-specified period of time.

MEMORY

WALKABOUT/SX features 1 to 8 MB of memory using single in-line memory (SIMM) modules. Two base unit SIMM configurations of 1 or 2 MB allow users to design their systems to fit their particular requirements. Systems may be upgraded in 1- or 2-MB increments.

Lotus-Intel-Microsoft (LIM) 4.0 memory support is provided via a LIM 4.0 EMS driver which is standard with each system.

MASS STORAGE

Each base system is equipped with one 1.44-MB 3½-inch floppy disk drive and one 40-MB hard disk. In addition, an optional 5¼-inch external floppy disk drive with a Toshiba-compatible interface is also supported.

The standard 1.44-MB 3½-inch diskette is compatible with third-party PC and PC-AT media. The drive's ability to read and write both 1.44-MB and 720-KB diskettes ensures compatibility with a wide range of systems.

CONNECTIVITY AND USER-INSTALLABLE EXPANSION

The WALKABOUT/SX includes a modem slot, a general-purpose 16-bit slot, and an expansion memory area. If the modem is not used, the modem slot may be used as a second general-purpose expansion slot. Connectivity is achieved via built-in ports: two serial, parallel/external disk drive, external video, and external keypad.

INTERNAL MODEM

An optional asynchronous 2400/1200-bps direct-connect internal modem provides Hayes "Smartmodem" compatibility. It features MNP Level 5 error correcting, which also allows effective transfer rates of 4800 bps when used with another MNP Level 5 modem.

BAR CODE READER

A lightweight, hand-held bar code reader which consists of a high-resolution bar code scanner, a user-installable internal transceiver card, and utility software is available for the WALKABOUT/SX.

PORTABLE INK-JET PRINTER

A Diconix battery-powered, portable ink-jet printer connects to the WALKABOUT/SX built-in parallel port.

CLOCK/CALENDAR

A built-in, real-time clock/calendar powered from a separate lithium battery keeps track of the date and time each file is updated, modified, and stored.

SOFTWARE

Included with every WALKABOUT/SX computer are the MS-DOS operating system (revision 4.01 or later), GW-BASIC, and a LIM 4.0 expanded memory manager. A wide range of software products is also available from Data General and third-party software developers.

SPECIFICATIONS

Processor
—16 MHz 80386SX
—Optional 80387SX Coprocessor

System Memory
—1 MB or 2 MB memory standard (100 ns access time)
—Expandable to 8 MB
—Memory may be configured as EMS 4.0 or as extended memory

Disk Drives
—One 3.5-inch 1.44-MB/720-KB floppy disk drive
—One 40-MB internal hard disk drive (25 ms access time)

Display
—10.25" diagonal page-white backlit LCD
—VGA resolution, 640 x 480 pixels
—Backwards compatibility with EGA, CGA, MDA, and Hercules modes
—32 grayscale   / 6
—Adjustable contrast and brightness
—Adjustable reverse video
—VGA color monitor port
—Full-tilt display

Keyboard
—Full-function 86-key keyboard (101-key keyboard compatibility)
—Full-sized keys
—12 function keys
—Integrated numeric keypad
—External keypad port

Standard Interfaces
—25-pin RS-232C/RS-422 serial port
—9-pin RS-232C serial port
—Selectable parallel printer or external floppy drive port
—VGA monitor port
—External keypad port

Standard Expansion Slots
—One Data General 16-bit expansion slot for general-purpose options
—One modem slot (may be used as a general-purpose slot if modem is not used)
—Memory expansion area

Power
—Internal removable, rechargeable battery pack
—Internal/external universal AC adapter (110-240 VAC, 50-60 Hz)
—Optional external Quickcharger
—Optional auto adapter   N/A
—Three or more hours of battery life

Software
—MS-DOS 4.01
—QEMM Expanded Memory Manager by Quarterdeck
—WALKABOUT/SX Diagnostics Software
—WALKABOUT/SX Power Utility Software

Physical
—14.2"W x 3.2"H x 15.7"D
—System weight = 13.5 lbs.
—AC adapter weight = 1 lb.
—Battery pack weight = 2.6 lbs.

Options
—2400-bps Hayes-compatible internal modem with MNP Level 5 error correcting
—Portable bar code reader
—StarLAN network card
—External Quickcharger
—Auto adapter
—3-slot expansion unit
—External keypad
—Nylon carrying case
—Leather carrying case
—Portable Diconix printer

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