# CONNECT YOUR FRONT LINE



PSION

THE PSION HC RANGE

# Information and Control, Up Front

43% of today's work force operates away from the office, making deliveries, taking orders, collecting information, servicing equipment. And the percentage is growing steadily.

Because much of the action is happening 'out there', most of what needs to be known for efficient, cost-effective management is generally beyond the immediate reach of office-bound computer systems.

Yet this needn't be the case. There is no reason for your mobile workforce to be outside your system's control, to lack the communication necessary to do the job. Psion Hand-Held computers can extend existing computer networks right up to the point of action – whether that's in a warehouse, or on a sales call or maintenance visit.

Rugged and powerful, they are the mobile elements of your computer system, ensuring information is timely and accurate by putting you directly in touch with the front line. And so saving money.

The applications are extremely diverse, including:

● Computerised, on site job control for Service and Maintenance Engineers – improving efficiency, data accuracy and eliminating paperwork from the system.

● Stock monitoring and movement recording by Warehousemen and Merchandisers, using bar code scanning, to provide fast feedback of information.

● On the spot validation of deliveries.

● Quoting and order taking on site to give fast and efficient client support.

Psion PLC has over 650,000 hand-held computers in use around the world, closing the gap between computer systems and the point of action. The Psion HC range offers an unparalleled hardware and software base for the integration of field computers into existing computer systems. Our experience and systems will help you to manage your front line and improve the bottom line.

*Lockable hinged door, with rubber seals.*

## State-of-the-art Technology

The HC has been designed to meet any application requirement, and to be integrated with any computer system. Using modular hardware concepts, combined with the most modern software techniques, it represents an entirely new and unique approach to computing in the field.

Every element of the hardware is highly configurable, from the plug-in, megabyte sized Solid State Disk memories which use the MS-DOS file format, to internal expansion slots for plug-in peripheral devices.

*Rechargeable NiCad battery cartridge.*

A powerful Multitasking Operating System offers standard 'C', as well as other open development routes, to enable the HC to be fully integrated with mainstream computer systems.

As a unit, the HC is physically tough, splashproof, and designed to withstand a 1m fall onto concrete. It comprises:

- Industry standard 16 bit 80C86 processor

- 160 x 80 dot graphics screen

- Interchangeable keyboard

- 128k to 512k RAM memory

- Two internal drives for Solid State Disks – the robust, reliable data storage and transport medium, currently offering up to 2Mbytes capacity each.

- Two internal expansion slots for interface modules – such as a Modem, RS232 and Parallel communications, BarCode Scanner and Magnetic Card Reader.

- High speed communications interface to wall- or desk-mounted Cradle, for automatic data exchange and battery recharging.

Everything fits flush inside the case, which has a lockable door to provide a sealed, custom configured solution for each application.
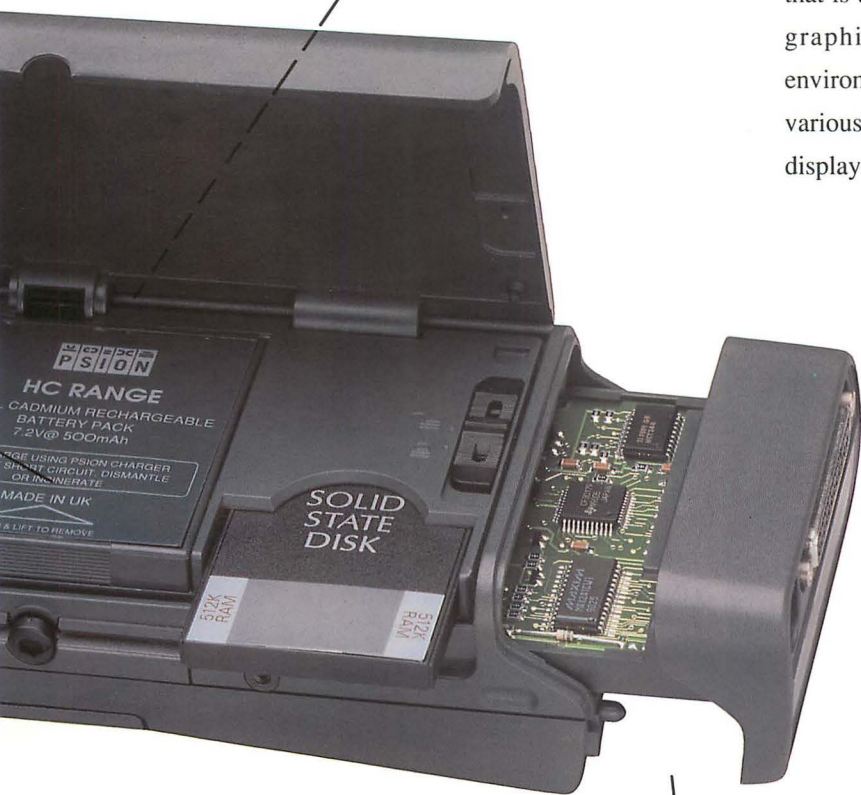
*Solid State Disks offer equivalent functionality to floppy or hard disks, but have no moving parts and are completely reliable. Using MS-DOS file format, they can plug directly into standard PCs as well as HCs, providing a simple and totally reliable data transfer mechanism. Individual capacities of up to 2 Mbytes each, rising through 1992, with two SSD drives built in as standard.*

*Screen contrast and backlight controls*

High speed communications port connects to Cradle allowing automatic data upload and download, re-programming and battery charging without user intervention.

PSION
HC RANGE
CADMIUM RECHARGEABLE
BATTERY PACK
7.2V@ 500mAh
...GE USING PSION CHARGER
...ORT CIRCUIT, DISMANTLE
OR INCINERATE
MADE IN UK
...& LIFT TO REMOVE

SOLID STATE DISK

512K RAM
512K RAM

## A Graphic Display...

The Psion HC provides a user-friendly graphics interface that is totally 'soft' and under program control. It has a full graphics display and operates in a 'windowing' environment. Applications can make productive use of the various fonts and visual emphasis available, and can even display and manipulate diagrams, maps and pictures.

The result: software applications that are highly informative and intuitive to use, and which consequently improve operator acceptance and efficiency.

## ...In a Multitasking Environment

Uniquely among hand-held computers, the HC provides Multitasking facilities. This significantly shortens software development times and greatly simplifies otherwise complex issues ranging from the simultaneous monitoring of several peripherals – a Bar Code Scanner and a Modem, for example – through to sophisticated process control applications.
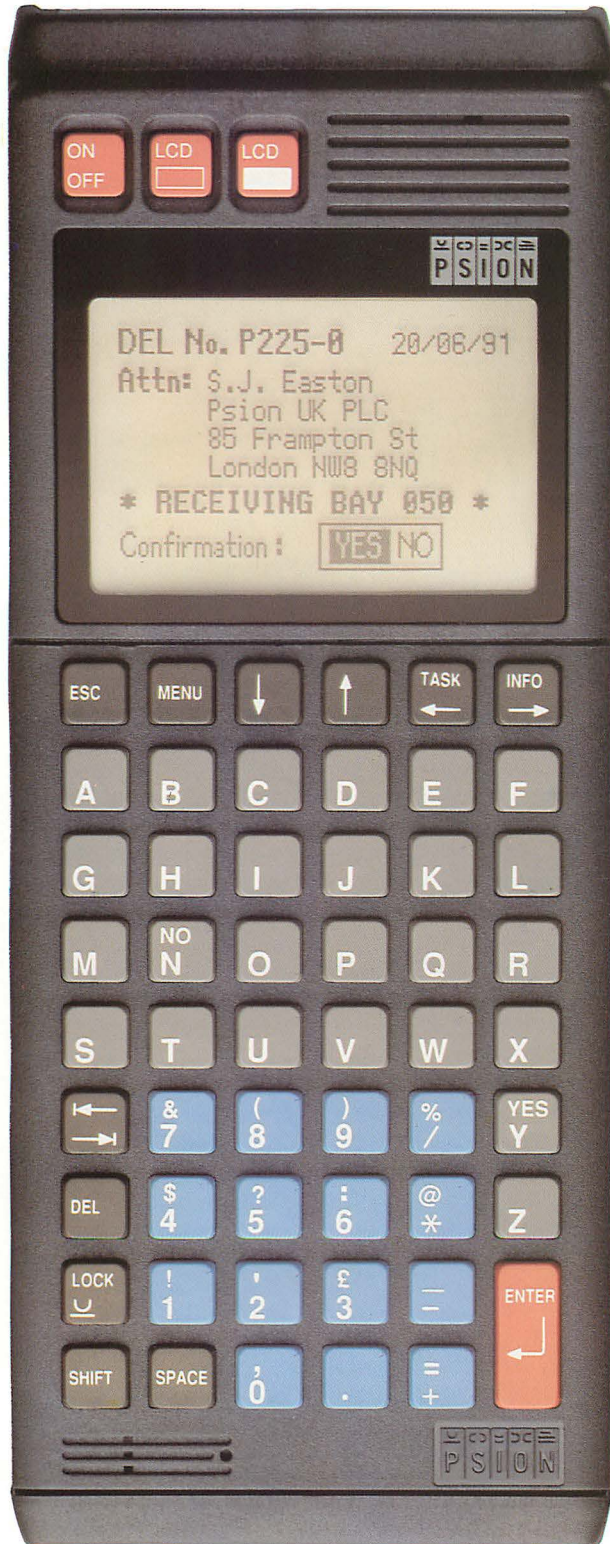
Expansion modules fit flush inside the Psion HC to provide internal interfaces offering modem communications, bar code scanning and magnetic card reading input, RS232, Parallel and other interface options. Two can be installed at one time, and interchanged in the field.

Lithium backup battery preserves the internal RAM when battery pack is removed.

# THE PSION HC

*Robust, high impact plastic case. Quality engineered to withstand 1 metre fall to concrete. Splashproof.*

*Integral expansion port accepts full range of expansion devices.*

*Loudspeaker and sound circuitry give high quality digital recorded sound and speech output, as part of any application.*

*High quality retardation film LCD, 160 x 80 dots. Super wide viewing angle and high contrast. Switchable backlit option for poor light conditions.*

*Full graphics capability; variable fonts to suit the application; up to 33 characters by 9 lines; diagrams and maps.*

*16 bit industry standard 80C86 processor, with full Multitasking operating system and MS-DOS file formats. Real time clock. OPL/g and standard 'C' programming languages for PC development.*

*Modular keyboard with positive travel dished keys. Durable keyboard legends. Various configurations available. Full 52 key alphanumeric keyset with distinct numeric pad (illustrated); 31 key function and numeric keyboard optional. Custom keyboard capability.*

*Second integral expansion port accepts full range of optional interface modules which plug flush inside case, offering Modems, RS232, Barcode scanners, Parallel and other interfaces.*

*Integral microphone for voice input.*

*Actual size*

## Communicating with Base

The Psion HC offers a variety of options to communicate with base. Standard XMODEM and Psion's LINK protocol are built in as standard. LINK provides direct access between the HC and remote filing systems on IBM PC compatibles, the Apple Macintosh, Psion MC Computers and Unix systems. Physical connection is via RS232, Modem or High Speed Interface.

Using the Psion Communication Server, up to 16 error correcting telephone connections can be made at a time between anywhere in the field and a PC workstation.

Uniquely, the HC also offers a highly reliable and simple data transfer mechanism – physical transfer of the Solid State Disks (SSDs). Totally reliable and independent of batteries, they can be exchanged and plugged directly into a PC just like conventional floppy disks.

## Software System and Development

The HC boasts a range of software development routes to enable customer Data Processing departments or Psion's Systems Integrators to develop and maintain a tailored solution. All the development systems are PC based.
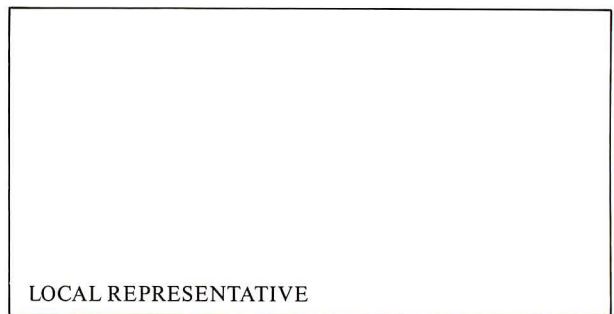
Two programming languages are provided. OPL/g is a high-level structured BASIC-like language with database management and graphics enhancements, such as overlapping windows. Standard 'C', familiar to many developers, is also available extended to take advantage of multitasking, graphics and other operating system components.

Existing applications written in standard 'C' will run on the Psion HC with little or no modification.

## The Bottom Line...

The Psion HC offers a new, faster link between front line workers and main computer systems. It provides rapid transfer of data to cut time, paper work and costs. It can be configured to meet any application's requirement and can be completely integrated with existing systems.

Above all, a Psion HC system can be implemented and adapted by the user, by specialist suppliers, or by Psion. Close the gap between those at the point of action and your management system: connect your front line.

LOCAL REPRESENTATIVE