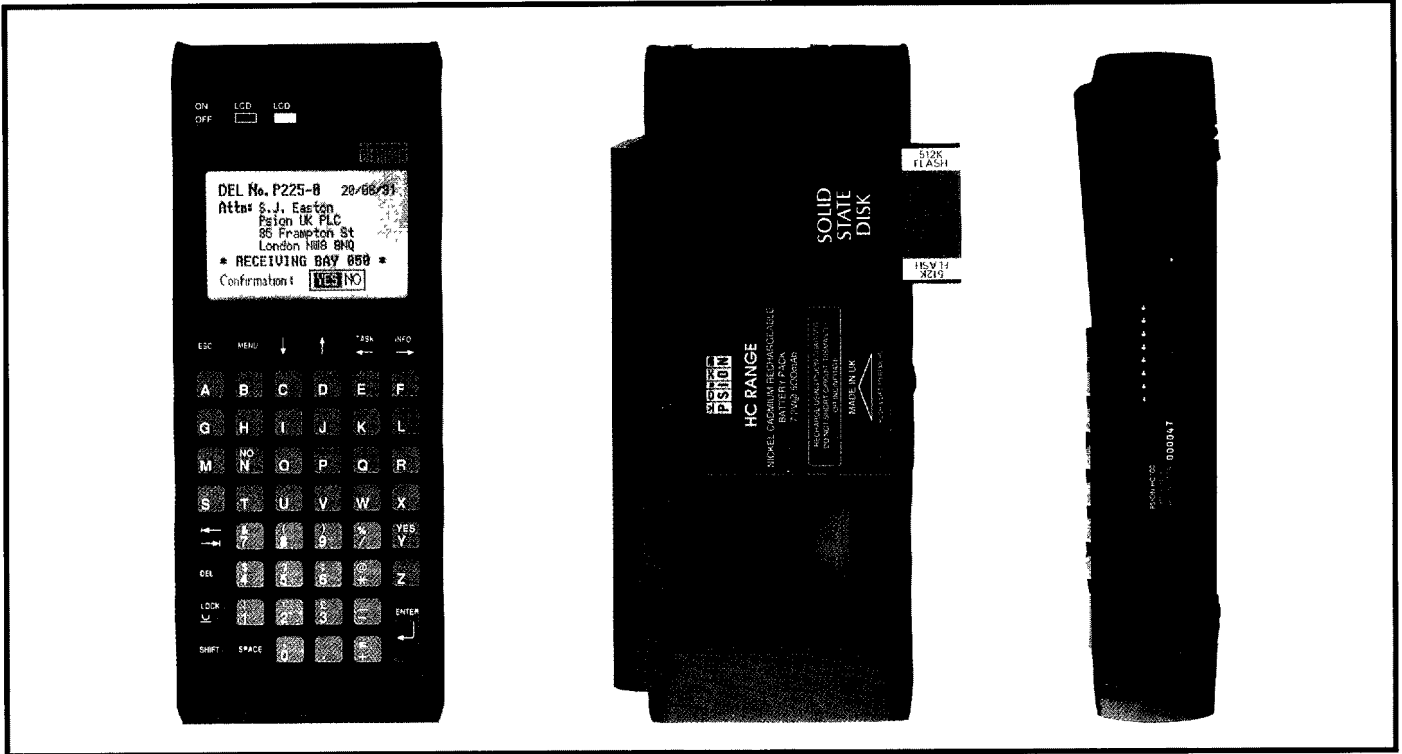




# The Psion HC Hand Held Computer



The PSION HC Range of hand held computers comprises a series of models with different internal RAM memory, alphanumeric or numeric keyboards, and high contrast 160 x 80 reflective LCD screen with optional back lighting (switched)

All models are constructed of high impact plastic and are highly configurable in memory, software, expansion and peripheral devices. Each machine incorporates two drives for Solid State Disks, a rechargeable NiCad battery module, two expansion slots, loudspeaker and microphone.

## Plug-in Expansion

Expansion modules, such as a barcode scanner, modem or RS232 simply clip in and fit flush inside the case at the top or bottom. Batteries are rechargeable in situ, externally to the machine, or via the Cradle.

Solid State Disks are MS-DOS format memory devices that have no moving parts, plug directly into the HC or a PC, and offer total data reliability. Current capacities are 2 Mbytes each increasing through 1991.

## Application Software Development

The HC utilises a 16 bit industry standard 80C86 processor, with a full Multitasking Operating System, and MS-DOS file formats. It's Multitasking capabilities provide significant benefits in programming simplicity and the ability to run several processes simultaneously – such as communicating with base whilst continuing to scan bar-codes.

Applications software development takes place on a PC with either standard 'C' or OPL/g development environments. Both OPL/g and 'C' are extended to take full advantage of the Multitasking and other operating system components. Existing applications written in standard 'C' will run on the Psion HC with little or no modification.

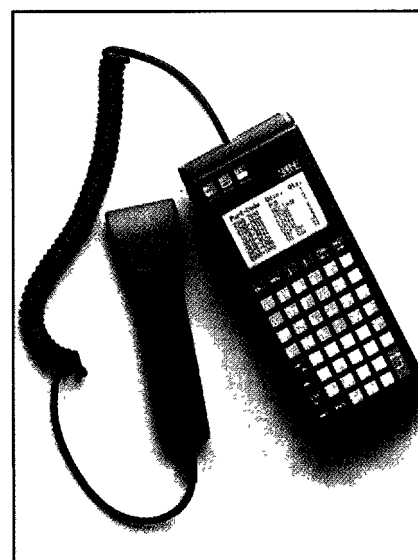
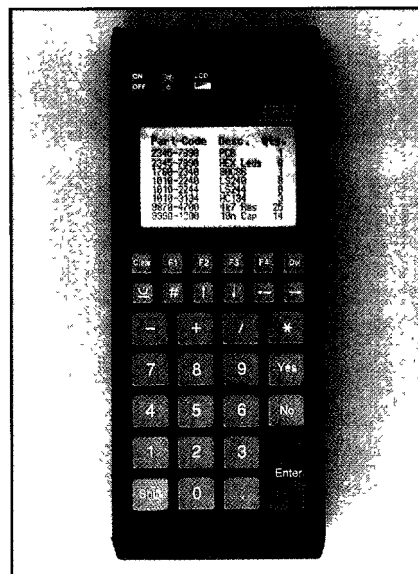
## Communications

The HC offers unique communications capabilities which effectively network the HC with office bound computers. The Psion LINK software provides direct access to remote files for data transfer – a significant advance on conventional file transfer techniques. Physical connection can be via an RS232 cable, a Modem or the High Speed Interface to the Cradle.

# Psion HC Range

## Technical Specifications

MODELS	
HC100	128K RAM
HC110	256K RAM
HC120	512K RAM
HARDWARE	
Processor	80C86 16-bit, clock speed 3.84 MHz
Internal RAM	128K – 512K CMOS static
Internal FLASH	256K for operating system
Solid State Disk Drives	2 internal drives accept SSDs
Display	Black and white retardation film LCD, 160 x 80 pixels, up to 32 characters by 9 lines, 60mm x 50mm
Keyboard	53 key Alphanumeric layout, 31 key numeric and function key layout, custom keyboard capability
Sound	Loudspeaker, microphone, buzzer
Power	Psion NiCad 500mAH rechargeable battery pack, back up Lithium cell, 12 volt DC socket
Expansion Interfaces	Two internal expansion interfaces accept any combination of Expansion Modules, including RS232 and Parallel, Modems, Bar Code Interface, Magnetic Card Interface, capability for custom design
SOFTWARE	
Operating System	Psion Epos Multitasking Operating System
Communications	Built-in Psion LINK gives remote file access to PCs, plus standard XMODEM protocol
Command Shell	MS-DOS like command interpreter
Filing System	MS-DOS file formats and structures
Programming	PC based development systems offering standard 'C', OPL/g and Object Oriented 'C' (Q4 1991)
PERIPHERALS	
Bar Code Wands	Supports a range of contact wands
Bar Code Scanners	Supports a range of CCD and Laser scanners
Magnetic Card Readers	Simultaneous 2 track reader Capable of reading any two of three tracks
COMMUNICATIONS	
RS232 and Parallel	Optional internal expansion module, full serial RS232 9 pin DIN socket, parallel 25 pin D type socket
Fast Serial	Integral Fast Serial socket for connection to Cradle (data exchange and recharge) 1.5 Mbit/s
Modem	Optional internal expansion modules offering V21, V22, V22bis, V23, MNP 5 error correction, under full software control
PHYSICAL CHARACTERISTICS	
Size and weight	200 x 80 x 35mm 540g (inc battery)
Temperature range	Operating 0 to 50C, storage -20 to 70C
Humidity	Operating 90% max non-condensing
Weather Proofing	Splashproof
Drop resistance	1 metre onto concrete



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