

# WORKABOUT SCANNER



THE WORKABOUT SCANNER IS AN INTEGRATED BARCODE SCANNING HANDHELD COMPUTER THAT PROVIDES A LIGHT WEIGHT AND COMPACT SOLUTION FOR READING BARCODES. IT COMBINES THE POWER AND RUGGEDNESS OF PSION'S SUCCESSFUL WORKABOUT WITH THE LATEST IN LASER SCANNING TECHNOLOGY. IT IS IDEAL FOR A WIDE VARIETY OF NON-CONTACT BARCODE READING APPLICATIONS IN TRANSPORTATION, MANUFACTURING, HEALTHCARE AND RETAIL.



- Light weight and compact design
- Adjustable scanner head
- Scan indicator
- Easy to program
- Rugged construction
- Reliable
- Large backlit LCD display
- TCP/IP
- Long battery life

## Workabout Functionality

The Workabout Scanner is a powerful hand held computer that features a 16-bit processor, a multi-tasking operating environment and a large expandable memory to meet the most demanding data storage and application requirements. Its award winning ergonomic design is compact and light weight, making it comfortable for use over longer periods.

## Easy to Use and Fail Safe Scanning

The scanner head is adjustable enabling the user to set the angle to the most comfortable level for the task in hand. The keyboard is also fitted with a large "Scan" key, placed on the upper part of the keyboard for easy operation. To ensure fail safe scanning, a bright indicator and audible bleeper on the Workabout Scanner confirms the code has been successfully scanned and accepted by the application. The Scanner recognises all common barcode symbologies. The large high contrast screen is visible at all angles enhancing interaction with the user and reducing fatigue.

## Applications

The Workabout Scanner is ideal for a wide variety of non-contact barcode reading tasks such as stock management, track and trace, inventory management, sales order entry, pick and pack, activity monitoring and work in progress. The Workabout Scanner's rugged construction has an IP54 rating, enabling it to be used effectively both inside and outdoors. In-vehicle peripherals are also available with the Workabout Scanner.

## Visual Basic® Compatible Programming

With OVAL, a Microsoft Visual Basic compatible programming language developed by Psion, Rapid Application Development (RAD) is possible on the Workabout Scanner. This enables developers to experience the same gains in productivity that RAD languages have brought to developing traditional PC programs which means that data collection programs can be written quickly and prototyped for new and customer specific applications. The unique identification number provides added security as applications can only run on approved machines.

## Linked Communication

The Workabout Scanner retains a LIF interface for easy connection to all standard communication equipment and peripherals such as the Psion Docking Station which facilitates simultaneous re-charging and communication. In addition, the RS232 port in the base lets you connect a wide range of peripherals, whilst the optional IrDA port provides wireless communication with any other IR enabled device.

## Long Battery Life

The standard rechargeable Workabout NiCd battery pack typically provides power for scanning over an 8 hour shift. For more scan intensive applications an optional Nickel Metal Hydride (NiMH) battery pack is also available. The NiMH and NiCd pack can both be fast charged using the Workabout Docking Station or the Workabout Multiple Docking Station.

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## TECHNICAL SPECIFICATIONS

### HARDWARE

Processor	16 bit NEC V30MX running at 27.684 Mhz (80C86 compatible).
Internal RAM	2MB
Internal ROM	2MB masked ROM containing operating system, OVAL runtime, and other built-in software.
Solid State Disks	2 internal drives accept Flash or RAM SSDs providing up to 16MB additional applications and data storage capacity. (Maximum storage is 2 x 8MB Flash SSD)
Display	240 x 100 pixels, grey-scale, graphics LCD, up to 39 characters by 12 lines, switchable backlight as standard.
Keyboard	56 key alpha numeric layout as standard. 34 key numeric and function key layout option available.
Sound	Piezo Buzzer
ID	Application readable unique identification number.
Power	Internal: 2x AA alkaline cells, or rechargeable NiCd or NiMH pack. Backup: lithium cell CR1620 External: a range of peripherals providing trickle and/or fast charging are available, including mains adapter, Docking Station, Vehicle Interface Cradle and Multiple Docking Station.
External Expansion	Built in low insertion force port (LIF-PFS) connects to docking stations and vehicle interface peripherals providing external RS232 communications and charging.



### SOFTWARE

Operating System and Interface	EPOC/16 Operating System featuring pre-emptive multi-tasking graphics support, graphical user interface and DOS-like command line processor.
Communications	Built in comms features include TCP/IP, Psion Link, filing system, terminal emulation, XMODEM, YMODEM and ZMODEM protocols and script language as standard. PsiWin and PRC Psion software packages are available for remote file access to PCs.
Filing System Programming	MS-DOS compatible file formats and directory structure. Windows PC based Integrated Development Environments for OVAL and OPL plus a C SDK.

### PHYSICAL AND ENVIRONMENTAL

Size	223mm(L) x 92mm(W) x 35mm(D)
Weight	436g (including batteries)
Temperature range	Operation: -15C to +55C Storage: -20C to +60C
Operating humidity	0% to 95% maximum non-condensing
Weather Proofing	IP54 as standard. Dust proof and spray proof in all directions.
Drop resistance	Designed to withstand 1 meter drop onto concrete on any face.
Emissions	Europe: EN55022 Class B USA: FCC Part 15 Class B Australia: CTick
Static	Complies to IEC801-2 (8kV)
RF Immunity	Complies to IEC801-3
EFT Immunity	Complies to IEC801-4
Laser	Class 2 visible red.

### PERFORMANCE

<b>Barcode Resolution</b>	5 mm	83 to 125 mm
	10 mm	63 to 330 mm
	55 mm	up to 915 mm
	<i>Estimated typical range</i>	
<b>Codes</b>	EAN/JAN 8, EAN/JAN 13, UPC A, UPC E, CODEABAR, CODE 39 STANDARD, CODE 39 EXTENDED, INTERLEAVED 2 OF 5, CODE 128, CODE 93, MSI, USS-128, UCC/EAN 128, ISBT-128	
	<b>Scan rate</b>	36 scans per second (approximately)
<b>Symbol contrast</b>	20% minimum	



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