
2MB
RAM
On/Esc
Tab
Menu
Off
Del
Enter
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Space
PSION
workabout

Workabout

The Psion Workabout mx is the second generation of products born from the highly successful Workabout range of handheld computers. Rugged, lightweight and powerful, the Workabout mx is suitable for a wide range of applications in commerce and industry. Its fast processing speed and excellent communication capabilities mean the Workabout mx can handle complex data capture and transfer tasks with ease.

Close Up
(Jpeg, 54K)

- Large (2MB) and expandable memory
- Fast processing and communication speed
- IrDA communication ports (optional)
- Powerful 16-bit multi-tasking GUI
- Ergonomic and light weight design
- Visual Basic compatible programming language

High Specification

The Workabout mx is a high performance, yet low cost handheld computer designed for use in all types of environments. With its 16-bit processor and multi-tasking operating system the Workabout mx is able to handle complex processing and programming tasks simultaneously. Supplied with 2 Mbytes of RAM, there is provision for adding two Solid State Disks that can offer an additional 16Mbytes of memory; enough memory for even the most complex applications.

Faster Processing

The Workabout mx features a faster processor than on previous models. This makes it up to three times quicker to retrieve and update information on the Workabout mx.

Contact-less Communications and Printing

With a choice of up to two IrDA ports fitted in the base and the top of the Workabout mx, communication with any IrDA device, such as a belt mounted printer, is easy and cable-free. The top port is perfect for file transfer and can be used to effortlessly transfer information to an IrDA enabled PC running appropriate software.

Rugged Construction and Ergonomically Designed

The Workabout has been designed to be easy to hold, light weight, and strong enough to withstand considerable wear and tear as well as environmental extremities. With an IP54 rating the Workabout is spray and dust proof in all directions and is capable of withstanding a drop of one metre onto concrete.

Visual Basic Compatible Programming Language

An important feature of the Workabout is its integral Visual Basic compatible programming language OVAL (Object-based Visual Application Language), which has been developed by Psion. This Rapid Application Development environment enables developers to write and prototype high quality customer tailored programs quickly and easily.

Range of Options

The standard Workabout mx range includes a number of alternative models to suit different applications.

Options include models with:

- RS232, TTL , Barcode and IrDA ports
- Numeric keyboard option that has enlarged numeric keys for easier data collection.
- Workabout Wand with an integrated barcode wand
- Workabout Scanner with an integrated laser scanner

The Workabout mx is also supported by a range of peripherals for simplifying the task of transferring data, for printing data and for intelligent battery management.

TECHNICAL SPECIFICATION

Hardware	
Processor	16 bit NEC V30MX running at 27.684 MHz (80C86 compatible).
Internal RAM	2MB Internal RAM .
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 application and data storage capacity.
Display	240 x 100 pixels, grey-scale, graphics LCD, up to 39 characters by 12 lines, switchable backlight as standard.
Keyboard	57 key alpha numeric layout as standard. 35 key numeric and function key layout option available.
Sound	Piezo Buzzer
I.D.	Application readable unique identification number.
Power	Internal : 2 x AA alkaline cells, rechargeable NiCd, or NiMH pack Backup: lithium cell, CR1620 External : power and battery charging provided by Psion Docking Holster (trickle charge, NiCd or NiMh pack) Docking Station (fast charge), and Multiple Docking Station (fast charge, NiCd or NiMH) using separate mains adapter.
External expansion	Built-in low insertion force port (LIF- PFS) connects to a Docking Holster providing communications (via Psion 3Link peripherals) to PCs and printers, external power and battery trickle charging. The Docking Station, Multiple Docking Station, V-Comm and the Vehicle Interface Cradle also connect via the LIF and provide a wide range of charging and communication facilities.
Internal expansion	Factory fitted internal expansion options available. Interface options include: RS232 (115,200 baud) and tethered barcode wand connection RS232 and TTL (for auto ID scanning peripherals).
Software	
Operating system	EPOC/16 operating system featuring pre-emptive multi-tasking, graphics support, graphical user interface and DOS-like command line processor.
Filing system	MS-DOS compatible formats and directory structure.

Communications	Built-in comms features include Psion Link, TCP/IP, IrDA, terminal emulation, X, Y and Z Modem protocols and script language as standard. PsiWin, PRC and Rcom Psion software packages are available for remote file access to PCs.
Programming	Built-in as standard: OVAL runtime software, OPL language editor and translator. Windows PC-based Integrated Development Environments for OVAL, OPL languages and a C SDK.
Built-in Software	Spreadsheet compatible with Lotus 1-2-3, database, calculator and application communications software. Demonstration applications for TCP/IP, IrDA and Scanning.
Peripherals	Auto ID peripherals can be connected using standard D type plugs to any Workabout port. Other peripherals can be connected via the Docking Holster, Docking Station and Psion 3Link.
Physical and Environmental	
Size	189 (L) x 92 (W) x 35 (D) mm (7.44 x 3.62 x 1.38 inches)
Weight	325 gms including batteries (11.46 ounces)
Temperature range	Operation: -20°C to +60°C (-4°F to 140°F) Storage: -25°C to +70°C (-13°F to 158°F)
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 metre drop onto concrete on any face.
Safety standard	Europe: EN60950
Emissions	Europe: EN55022 Class B USA: FCC Part 15 Class B
Static	Complies to IEC801-2 (8KV)
RF immunity	Complies to IEC801-3
EFT immunity	Complies to IEC801-4