

Rugged, feature-rich hand-held computer



The WORKABOUT PRO, is available with either Windows Mobile 2003 SE or Windows CE .NET configurations. This device delivers the performance, ruggedness and durability required for mobile data collection in harsh environments in a very user-friendly, ergonomic package. Based on industry standards, our design ensures ease of integration with your existing or desired infrastructure. Unparalleled expansion and connectivity options allow the benefits of RFID to be combined with other data collection technologies such as scanners or imagers. A high degree of customisation flexibility enables the WORKABOUT PRO to be perfectly tailored to your application.



ADVANTAGES

- **Flexibility & Integration:** Choice of Windows Mobile 2003 SE or CE .NET. Class leading **flexibility** and **integration** is achieved through the use of standards-based software and hardware components combined with robust expansion capabilities. All relevant worldwide RFID Standards in LF (125 - 134.2 KHz) or HF(13.56MHz) technologies are supported in a fully integrated device. Based on industry standard Microsoft and Intel XScale architecture, the WORKABOUT PRO ensures seamless application development and integration capabilities. Compact Flash and SD/MMC memory expansion slots combine with USB, and a 100-pin High Speed Expansion interface, to provide flexible radio and peripheral connectivity. Expansion modules deliver even more functionality and customisation such as additional card slots or customised peripherals. A Hardware Development Kit (HDK) combines with the Psion Teklogix Mobile Devices SDK to support the development of customised third party hardware/software solutions.
- **Ruggedness:** The rugged design of the WORKABOUT PRO delivers overall system uptime for increased productivity even in harsh environments. Rated at IP54, the WORKABOUT PRO is protected against dust and water sprayed from all directions. In addition, the WORKABOUT PRO can withstand multiple 1.2m drops to polished concrete, as well as, the shock and vibration consistent with mounting in a truck.
- **Ergonomics:** The ease of use and portability of the WORKABOUT PRO combine to deliver exceptional **ergonomics**. The ¼ VGA, daylight readable touch screen display and well laid out, backlit keyboard simplify device interaction. (Two keyboard layouts available.) The portable size and low weight deliver full-shift comfort.

WORKABOUT PRO Hand-held Computer

Specifications*



WORKABOUT PRO
Hand-held Computer



WORKABOUT PRO S
Hand-held Computer

WORKABOUT PRO MODEL VARIANTS

- WORKABOUT PRO M**
- Monochrome Touch Screen Display
- 64 MB Flash
- 64 MB RAM

WORKABOUT PRO C

- Colour Touch Screen Display
- 64 MB Flash
- 128 MB RAM
- Integrated Bluetooth

WORKABOUT PRO S

- Colour Touch Screen Display
- 64 MB Flash
- 128 MB RAM
- Integrated Bluetooth

PROCESSOR

- 400MHz Intel XScale PXA255

OPERATING SYSTEM

- Microsoft Windows CE .NET 4.2
- Windows Mobile 2003 SE

RFID MODULE OPTIONS

- HF module
Frequency: 13.56 MHz
Tags supported: ISO 15693, Philips ICode™, TI Tag-It™, Tagsys (C210, C220, C240, C270)
Read/write range up to: 70 mm
- MIFARE module
Frequency: 13.56 MHz
Tags supported: ISO 14443 A&B, Mifare
Read/write range up to: 50 mm
- LF module
Frequency: 125 KHz; 134.2 KHz
Tags supported: EM 4x0x; EM 4x50;
Hitag 1 & 2; ISO FDXB
Read/write range up to: 70 mmd

PROGRAMMING ENVIRONMENT

- HTML, XML
- Psion Teklogix Mobile Devices SDK
- APIs for the Hardware Development Kit
- Compact Framework
- Java
- Standard protocol APIs
Windows sockets (Windows CE .NET)

WIRELESS COMMUNICATIONS

- Optional expansion modules for:
802.11b (via Compact Flash)
GSM/GPRS (via expansion interface)
CDMA/1xRTT (via expansion interface)
- Integrated Bluetooth class II, ver 1.1, ver 1.1, 5m or 16.4 ft range standard on WORKABOUT PRO C and S
Note: WAN, 802.11b, and Bluetooth are available simultaneously on C and S models

APPLICATION SOFTWARE

- Windows CE .NET
- Internet Explorer 6.0 for CE
- Open TekTerm
- ANSI, TESS terminal emulations IBM 3270, IBM 5250, HP 2392
- Windows Mobile 2003 SE
- Microsoft ActiveSync
- Microsoft Pocket Internet Explorer
- Microsoft Pocket Outlook 2003

USER INTERFACE

- Monochrome Touch Screen Display
8.4cm (3.5") diagonal, 1/4 VGA, 240 x 320 transfective portrait mode TFT
Backlight on/off control, adjustable contrast
Sunlight readable (for outdoor use)
High reliability LED backlight
- Colour Touch Screen Display
8.9cm (3.5") diagonal, 1/4 VGA, 240 x 320 transfective portrait mode TFT
16-bit colour
Adjustable backlight
Sunlight readable (for outdoor use)
High reliability LED backlight
- Touchscreen (standard)
Passive stylus or finger operation
Signature capture
- Stylus held on main unit
- Keyboards
Alphanumeric (M & C models)
Numeric (S model)
Ergonomic ambidextrous one-hand operation
Backlit, high durability hard-capped keys
- Indicators & Controls
Internal speaker with volume control
LED indicating battery charge status

BAR CODE APPLICATIONS

- Optional ID imager expansion module*
 - Optional 2D Imager expansion module*
 - Optional ID SE923 laser scanner expansion module*
 - Optional ID SE 1223 High Performance laser scanner expansion module*
 - Optional user replaceable pistol grip*
- * **Note:** All are user upgradeable

EXPANSION SLOTS

- One SD/MMC memory card slot - user accessible
- 100 Pin High-Speed Expansion connector, accessible through end-cap or back cover. Supports serial, USB, PCMCIA
- Type II Compact Flash slot accessible through end-cap

OTHER EXPANSION MODULES

- Optional user upgradeable Type II PCMCIA slot
- EXTERNAL PORTS**
- USB 1.1 Host port on base for tethered USB devices (printers, etc).
- Low Insertion Force Docking Station Port with:
USB 1.1 Device port
USB 1.1 Host port
Battery Charging

POWER MANAGEMENT

- Optional full-shift Standard Lithium-ion (3.7V, 1700 mAh)
- Optional High-Capacity Lithium-ion (3.7V, 2350 mAh)
- Also accepts standard consumer available AA Alkaline batteries (M & C models)
- Quick swap pack
- Advanced Smart Battery w/ gas gauge
- 3 power source options: Runs off battery, AC or automotive power supplies
- Built-in charger
- Rechargeable, user replaceable, coin cell backup battery

ENVIRONMENTAL (STANDARD):

- Operating temp: -10°C to +50°C (-14°F to 122°F)
- Storage temp: -25°C to +60°C (-13°F to 140°F)
- Humidity: 5-95% RH non-condensing
- Rain/Dust: IEC 529, classification IP54
- Shock: Multiple 1.2m (4 ft.) drops to polished concrete

PHYSICAL DIMENSIONS (WORKABOUT PRO M & C MODELS)

- Weight: 454g (16 oz) with battery; add 75g (2.6 oz) with SE 1223HP scanner expansion module and 19g (0.7 oz) with 802.11b CF card radio.
- Size: Length: 222mm (8.7"), Width: 76 mm (3") at grip area tapering to 92mm (3.6") at display area, Depth: 31mm (1.2") at grip area tapering to 42mm (1.7") at display area.

(WORKABOUT PRO S MODEL)

- Weight: 421g (13.5 oz) with battery; add 75g (2.6 oz) with SE 1223HP scanner expansion module and 19g (0.7 oz) with 802.11b CF card radio.
- Size: Length: 190mm (7.5"), Width: 75 mm (2.9") at grip area expanding to 98mm (3.8") at display area (including side scan buttons), Depth: 31mm (1.2") at grip area expanding to 44mm (1.7") at display area.

POWER ACCESSORIES

- AC power supply (charge & operate hand-held)
- Automotive power supply (charge & operate hand-held)
- 1 slot battery charger
- Quad battery charger
- Desktop Docking Station (charges hand-held & spare battery)
- Vehicle cradle with optional charge capability

COMMUNICATION ACCESSORIES

- Quad Dock (4-site) w/ 10/100 BaseT Ethernet and charge functions
- Desktop Docking Station (charges hand-held & spare battery) provides USB host and device ports and supports optional 10/100 Base T Ethernet module
- Powered/non-powered cradle for vehicle mount applications
- Port Replicator for vehicle cradles (field installable option) includes 3 RS232 ports plus USB port

ADAPTERS

- USB to Ethernet
- USB to Serial (RS232)

CARRYING ACCESSORIES

- Handstrap, pistol grip w/ trigger, holster, protective vinyl carrying case (w/ optional shoulder strap)

APPROVALS:

- Safety: UL60950-1, CSA C22.2 No 60950-1
- EMC: FCC Part 15 Class B
EN 55022
EN 55024
- Laser: IEC 60825-1, Class 2
FDA 21 CFR 1040.10, 1040.11 Class II

- Bluetooth: 1.1 on C & S models
- In Vehicle Cradle: E Mark

* specifications are subject to change without notice

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