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 provde 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

PSION TEKLOGIX

information in motion

WORKABOUT PRO Hand-held Computer

WORKABOUT PRO
Hand-held Computer

WORKABOUT PRO S
Hand-held Computer

Specifications*

WORKABOUT PRO MODEL VARIANTS
WORKABOUT PRO ME
- 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:
  RA2041 Radio – 802.11b.g Compact Flash
  Baud rate, power output
  - 802.11b, 1, 2, 5.5, 11 Mbps, 80mW
  - 802.11g, 6, 9, 12, 18, 24, 36, 48, 54 Mbps, 30mW
  Security
  - WPA 1, WPA 2
  - Encryption – Dynamic WEP, AES
  - EAP Types - LEAP, PEAP MS-CHAP v2, PEAP GTC, EAP-FAST,TLS.
  Certifications
  - WiFi – 802.11b, 802.11g, WPA, 802.11i/WPA 2
  - Cisco Compatible Extension (CCX) version 3
  GSM/GPRS/EDGE (via expansion interface)
  CDMA/1xRTT (via expansion interface)
- Integrated Bluetooth class II, ver 1.1, 5m or 16.4 ft range standard on WORKABOUT PRO C and S
  Note: WAN, 802.11b/g, and Bluetooth are available simultaneously on C and S models

APPLICATION SOFTWARE
Windows CE .NET 4.2
- Internet Explorer 6.0 for CE
- Open TekTerm
- ANSI,TESS terminal emulations IBM 3270, IBM 5250, HP 2392

- PTX Connect
- Mobile Control Center (MCC)
- SIBO Interpreter
Windows Mobile 2003 SE
- Microsoft ActiveSync
- Microsoft Pocket Internet Explorer
- Microsoft Pocket Outlook 2003
- PTX Connect
- Mobile Control Center (MCC)

USER INTERFACE
- Monochrome Touch Screen Display
  8.9cm (3.5") diagonal, 1/4 VGA, 240 × 320
  transflective 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 × 320
  transflective 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
- Keyboards
  Alphanumeric (ME & 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 1D imager expansion module‡*
- Optional 2D Imager expansion module‡*
- Optional 1D laser scanner expansion module‡*
- Optional 1D High Performance laser scanner expansion module*
- Optional user replaceable pistol grip*
- ‡ Note: Available in Pod or End cap configuration
- * Note: All are user installable & 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
- Hardware Development Kit (HDK) Available

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, 2000 mAh)
- Optional High-Capacity Lithium-ion (3.7V, 3000 mAh)
- Quick swap pack
- Advanced Smart Battery w/ power indicator
- 3 power source options: Runs off battery, AC or automotive power supplies
- Rechargeable, user replaceable, 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 ME & C MODELS)
- Weight: 454g (16 oz) with battery; add 75g (2.6 oz) with 1D laser scanner expansion module and 19g (0.7 oz) with 802.11b/g 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 1D laser scanner expansion module and 19g (0.7 oz) with 802.11b/g 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
- Powered cradle for vehicle mount applications

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
- Port Replicator for vehicle cradles (field installable option) includes 3 RS232 ports plus USB port
- Blackroc End Cap
  - 3 Port (RS232, TTL, IrDA)
  - RS232
  - IrDA

ADAPTERS
- Tether to RS232
- Tether to Ethernet
- USB to Ethernet
- USB to 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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