Workabout RFID

FEATURES

- Fast processing and communications with state-of-the-art RFID scan engine

- Reads multiple RFID tags simultaneously and supports multiple tag types from leading vendors

- Standard IrDA port fitted in base

- Light-weight, rugged, reliable and ergonomic

- Powerful multi-tasking operating system

- Complete software development kit available for developing RFID solutions

- Large, clear, backlit display features full GUI with drop-down menus and windows

Real-time tag and smart label id and tracking

IDEAL FOR MULTITUDE OF APPLICATIONS

The Workabout RFID yields accurate, real-time identification, tracking and management for such mobile computing applications as manufacturing, processing, warehousing and transportation and logistics. Unlike standard bar codes, small Radio Frequency Identification (RFID) tags require no contact or line of sight for operation, and can be placed anywhere on or within inventory. Ideal for harsh environments, RFID tags securely store large amounts of data and can be used over and over again. Rugged and easy to use, the hand-held Workabout RFID is suited to a wide variety of non-contact scanning business applications, such as security, time and attendance, postal tracking, and airline baggage management.

PSION TEKLOGIX

information in motion

Workabout RFID

Specifications

HARDWARE

- Processor: 16-bit NEC V30MX running 27.684Mhz (80c86 compatible)
- Internal RAM: 2MB
- Internal ROM: 2MB masked ROM containing OS, OVAL runtime and other built-in software
- Expandable Memory: 2 internal drives accept Flash or RAM SSDs providing up to 16MB additional application and data storage capacity
- Display: 240 × 100 pixels, greyscale, graphics LCD, up to 39 characters by 12 lines, switchable backlight as standard
- Keyboard: 56-key alphanumeric layout as standard
- Sound: Piezo Buzzer
- ID: Application-readable unique identification number
- Power
  Internal: 2x AA alkaline cells, or rechargeable NiMH pack
  Backup: lithium cell CR1620
  External: a range of peripherals for charging are available
- External Expansion: Built-in low insertion force port (LIF-PFS) connects to docking stations and vehicle interface peripherals to provide external RS232 communications and charging

PHYSICAL AND ENVIRONMENTAL

- Size: 223 × 92 × 35mm/8.8 × 3.6 × 1.4''
- Weight: 372g/.8lb (including batteries)
- Temperature range
  Operational: -20 to +55°C/-4 to 131°F
  Storage: -40 to 60°C/-40 to 140°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 1m/3.3' drop onto concrete on any face
- Safety Standard: Europe: EN60950
- Emissions
  Europe: EN55022 Class B; ETS 300 330; ETS 330 683
  USA: FCC Part 15 Class B
- Static: Complies to IEC801-2 (8KV)
- RF immunity: Complies to IEC 801-3
- EFT immunity: Complies to IEC801-4

RFID SCAN MODULE

- Processor
  Atmel micro-controller
  AVR series RISC micro-controller
- Communications Interface
  Protocol: Serial, proprietary packet based with CRC
  Structure: 9600 baud, 8 data bits, 1 stop bit, no parity
  Signal: Bi-directional TTL
- Antenna
  Inductance: 0.8µH +/-0.1µH, Q=30
  Style: Integral PCB
- Frequency Supported: 13.56MHz
- Range Up to 10cm

SOFTWARE

- Operating System: SIBO operating system featuring pre-emptive and interface multi-tasking graphics support, graphical user interface and DOS-like command line processor
- Communications: Built-in comms features include TCP/IP, IrDA and script language as standard
- Filing System: MS-DOS-compatible file formats and directory structure
- Programming: Windows PC-based integrated development environment for OVAL and OPL plus C SDK; separate C SDK available for developing tags and smart label applications

*Specifications are subject to change without notification.

A WORD ABOUT PSION TEKLOGIX

Psion Teklogix provides mobile computing solutions for the enterprise. The company's systems, installed in more than 10,000 sites worldwide, provide mobile workers with anytime, anywhere access to enterprise IT systems. The largest operating division of Psion PLC, Psion Teklogix plays a key role in its parent company's vision to create new ways to access mobile data and the mobile internet. Psion Teklogix has 43 sales and support offices and 95 independent distributors throughout the worl

OPAL