

Mobile UHF Interrogator

Psion Teklogix Workabout Pro



The Psion Teklogix Workabout Pro is the latest handheld computer to become a part of IDEN TEC SOLUTIONS' Intelligent Long Range® (ILR®)-enabled mobile UHF interrogators. ILR provides highly accurate, real-time data collection in wireless applications such as:

- identification
- tracking and tracing
- localization of assets or personnel
- temperature monitoring

Using advanced UHF radio frequency technology, the Workabout Pro is seamlessly integrated with ILR and transmits and receives data at distances of up to 30 meters (100 feet) from an i-Q tag and up to 4 meters (12 feet) from an i-D2 tag.

The Workabout Pro is a flexible, programmable and expandable rugged handheld design for a range of data collection needs. It is available with either Windows Mobile 2003 SE or Windows CE .NET configurations. The Workabout Pro delivers the performance, ruggedness and durability required for mobile data collection in an ergonomic package. Using industry standards, the design ensures ease of integration with a company's infrastructure. Unparalleled expansion and connectivity options enable a high degree of customization so that the Workabout Pro can be tailored to specific applications.

The Workabout Pro is the only terminal to offer 30-meter (100 ft) range with IDEN TEC SOLUTIONS' ILR RFID technology and WLAN 802.11b, fully integrated with no external antenna. The Workabout Pro comes with an ILR software library package to allow the quick development of user applications.

The feature-rich ILR-enabled Workabout Pro is a leading-edge data collection tool that is easily integrated into enterprise systems to increase productivity in a host of industries.

Features Benefits

Up to 30 meters (100 ft) read/write range	Allows the easy identification, tracking and tracing of assets.
UHF operating frequencies	Allows low-power, long communication range and high data transmission rates with minimal interference due to local conditions.
Rugged construction	Operates in harsh environments.
WLAN or WWAN communication	Provides information access — anytime, anywhere.
TFT color touch-screen	Large, easy-to-use display.
Bar code scan engine	Combining ILR RFID technology with bar code creates unprecedented flexibility in data collection.
Windows CE .NET or Mobile OS	Portable convenience and a familiar, flexible computing platform.
High Capacity Lithium-Ion battery	Powers the device for an entire shift of continuous use.
Imaging (optional)	Captures shipping damage, objective evidence records, real-time production data.applications. Large numbers of tags can be identified virtually simultaneously.

IDENTEC SOLUTIONS

IDENTEC SOLUTIONS provides innovative data-gathering solutions to reduce losses and increase profitability. Our technology is the next generation of long-range active RFID—we call it Intelligent Long Range® (ILR®).

Our product line offers a data collection solution that is wireless, automated, real-time and affordable. The benefits of using our technology include ease-of-use, seamless software integration with SOA-based applications, scalable infrastructure and inexpensive hardware.

With ILR®, the technology becomes transparent and your assets become visible—they're able to report their whereabouts and identity—without human intervention and technical complications.

With ILR®, RFID technology is now simple and affordable.

To learn more about how ILR® technology can increase profitability for your business, contact IDENTEC SOLUTIONS or visit our website www.identecsolutions.com

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Beyond RFID.

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This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Furthermore, the ILR-enabled Workabout Pro batch (i.e. the absence of the 802.11b/g radio) equipped with IDENTEC SOLUTIONS' i-CARD3, also complies with FCC Regulations.



Technical Specifications

Compatibility	ILR i-Q tags and ILR i-D tags
Performance	
Read/write range (adjustable)	30 m (100 ft) with i-Q tag
Read/write range (adjustable)	4 m (12 ft) with i-D tag
Max. response time	< 150 ms
Read rate — ID only	100 tags/s
Read rate — 128 bit data	35 tags/s
Multiple-tag handling	Up to 2,000 tags in the read zone
Communication	
Frequency	868 MHz (EC) or 915 MHz (NA) ISM Band
Standards / Certification	EN 300 220 (EC); FCC Part 15 (US); Industry Canada
Data rate (download to tag)	38.4 kBit/s, 115.2 kBit/s
Data rate (uplink to reader)	115.2 kBit/s
Number of antennas	1
Output power	Max. 26 dBm
Sensitivity	-85 dBm (high sens), -55 dBm (low sens)
CPU	
Operating system	Microsoft CE .NET 4.2 or Windows Mobile 2003
Memory	128 MB DRAM 64 MB Flash
Processor	Intel® XScale PXA255 400 MXz strongarm
User Interfaces	
Display	¼ VGA resolution (320 x 240 pixels) TFT color
Scan engine (optional)	1-D bar code scanner (in a variety of ranges), 1-D imager or 2-d imager
Option wireless LAN	802.11 b/g via Compact Flash
Option wireless WWAN	GSM/GPRS (via expansion interface)
Bluetooth	Integrated Bluetooth class II, ver 1.1 in models C and S
Option imagers	2D, bar code, digital imager
Electrical	
Power source	1700 mAh standard battery or 3000 mAh high capacity battery, rechargeable lithium-ion
Environmental	
Operating temperature	-10°C to +50°C (14°F to +122°F)
Humidity	5% to 95% RH non-condensing
Drop specifications	4 ft. (1.2m) multiple drops to polished concrete
Physical	
Dimensions	222 mm x 76 mm x 92 mm (10 in. x 3.9 in. x 2.1 in.)
Enclosure	IEC 60529/IP65
Mass	850 g (30 ounces)

Contents subject to change without notice.

"IDENTEC SOLUTIONS", "Intelligent Long Range", "ILR", the stylized "i", "i-Q", "i-D", "i-B", "i-CARD", "i-PORT", "Solutions. It's in our name", and "Smarten up your assets" are trademarks or registered trademarks of IDENTEC SOLUTIONS, Inc. and/or IDENTEC SOLUTIONS AG. The mark "IDENTEC SOLUTIONS" is registered with the U.S. Patent and Trademark Office.

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