IP4

Portable RFID Reader (UHF)

- **Mobile RFID read/write capability for the popular 700 Series Mobile Computer**

- **Multi-protocol radio for worldwide use**

- **Ideal for exception based scanning**

- **Available for UHF frequency bands worldwide**

- **Integrated circular polarized antenna reads tags in any orientation**

- **Optional linear antenna maximizes read range**

Intermec's expertise in real-world RFID implementations, combined with its knowledge about building rugged handheld devices, is reflected in the IP4 reader, an accessory handle for attachment to the popular Intermec® 700 Series Color mobile computers. The IP4 delivers first-of-its-kind capability by combining the power of a handheld mobile computing device equipped with PAN, LAN and WAN radios as well as a multi-protocol RFID radio that can be used worldwide.

Users of the 700 Series Color mobile computers have posted productivity gains and enjoyed application flexibility enabled by the three radios – personal area (PAN) or *Bluetooth®, local area (LAN) and wide area (WAN) – as well as the area and linear imagers integrated into the handheld device. Combining those capabilities with the IP4 and the strength of the Microsoft® Pocket PC platform gives users a high performance mobile RFID solution.

With an RFID radio that is software configurable, the IP4 can function in a multi-protocol environment that includes current ISO 18000-6b, EPC UHF Generation 2 (Gen 2) and ISO 18000-6c standards.

While unmanned RFID data capture solutions are designed to eliminate human intervention and line of sight restrictions in data collection applications, there is always a need for exception-based scanning. The IP4 and 700 Series in tandem deliver a truly mobile RFID solution. It allows the user to take the technology to the work – whether it's on the shop floor, the store floor or the receiving dock, whenever it's more practical to bring the read/write device to the tagged object rather than moving tagged objects passed a fixed reader.

The IP4 allows users to take full advantage of the distributed mobile data carrier capability inherent in Gen 2 and ISO 18000-6c tags. With the IP4, data such as origin, destination, "use by" date, warranty, service or repair history can be easily updated on the tag and therefore always traveling with the tagged item. The mobility and convenient size of the IP4 allows users to update tag data on items during work-in-process tasks without leaving their workstation.

Intermec®

Like all Intermec products, the durability and ergonomics required for rugged mobile computing are designed into every aspect of the IP4. The snap-on, high-impact plastic and magnesium trigger handle reader comes packaged with its own rechargeable battery pack for a full shift's worth of work.

The IP4 is ready for integration into supply chain management for retail operations, industrial manufacturing, and logistics applications.

The IP4 is available in the RFID UHF frequency band, and will not interfere with industry standard PAN, LAN or WAN transmissions occurring in the mobile data collection environment.

Physical Description
The IP4 reader handle is a snap-on, high-impact plastic and magnesium trigger handle accessory that adds the capability to read and to write to Intellitag RFID tags to all Intermec® 700 Series Color Mobile Computers.

Physical Characteristics
Weight without 700 Series Color:
.48 kg with battery (1.1lbs)
Weight with 700 Series Color:
1.04 kg with battery (2.3 lbs)
Additional batteries weigh 68 gm (2.4 oz)

Standard Features
Communications Interface
Infrared data connection to 700 Color

Antenna
Optional linear or circular polarized antennas

Power
Removable Lithium–ion battery pack

Accessories
External battery charger

Environment
Environment
Operating Temperature:
-20°C to 55°C (-4°F to 131°F)
Storage Temperature:
-40°C to 70°C (-40°F to 158°F)
Humidity: 10 to 95% (non-condensing)
Shock: 20 G, 11ms, half sine pulse (operating)
Vibration: 1.0 GRMS. 10 to 500Hz, 3 axis (operating) Designed to pass National Safe Transit Association (NSTA) Procedure Project 1A.
Environmental Protection: IP54 compliant
Drop Survival: Withstands 4 foot drop (1.2M) 26 times to concrete

Regulatory Approvals
FCC Part 15; ETSI 300-220, ISO/IEC 18000 Parts 6b and 6c; consult the current Price Guide for specific country approvals

Restrictions On Use
Some approvals and features may vary by country and may change without notice. Please check with your local Intermec sales office for further information.

Disclaimer
Intermec reserves the right to make changes without notice to any products herein for any reason at any time, including but not limited to improving the reliability, form, fit, function or design. Please contact Intermec for current price list and availability.

*Bluetooth® is a trademark owned by the Bluetooth SIG, Inc., USA.

North America
Corporate Headquarters
6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348-2600
Fax: (425) 355-9551

South America & Mexico
Headquarters Office
Newport Beach, California
Phone: (949) 955-0785
Fax: (949) 756-8782

Europe/Middle East &
Africa Headquarters Office
Reading, United Kingdom
Phone: +44 118 923 0800
Fax: +44 118 923 0801

Asia Pacific
Headquarters Office
Singapore
Phone: +65 6303 2100
Fax: +65 6303 2199

Internet
www.intermec.com
Worldwide Locations:
www.intermec.com/locations

Sales
Toll Free NA: (800) 934-3163
Toll in NA : (425) 348-2726
Freephone ROW: 00 800 4488 8844
Toll ROW : +44 134 435 0296

OEM Sales
Phone: (425) 348-2762

Media Sales
Phone: (513) 874-5882

Customer Service and Support
Toll Free NA: (800) 755-5505
Toll in NA : (425) 356-1799

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.

Intermec®