

Intermec

Product Profile



- 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

IP4 INTELLITAG PORTABLE RFID READER (UHF)

Intermec's expertise in real-world RFID implementations, combined with its knowledge about building rugged handheld devices, is reflected in the IP4 Intellitag® 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.

In addition, the IP4 is poised for the future as RFID standards continue to evolve. With an RFID radio that is software configurable, the IP4 can function in a

multi-protocol environment that includes current ISO 18000-6b, EPC Class 1 Gen 1, and upcoming 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 upcoming 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.

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 Intellitag® 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

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)

The individual packaging will be designed to pass National Safe Transit Association (NSTA) Procedure Project 1A.

Safety & Regulatory Approvals

AIAG B-11

ANS INCITS 256:1999 (R2001) - Parts 2, 3.1 & 4.2

ANSI MH10.8.4

ISO/IEC 18000 Part 6b

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.

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