BLACKROC
THE RESELLERS TECHNOLOGY PARTNER

IP3 1356 Portable RFID reader

APPLICATIONS

- RETAIL
- RENTAL SERVICES
- SUPPLY CHAIN AND LOGISTICS
- LIBRARIES
- LAUNDRIES
- COMMERCIAL
- OFFICE AUTOMATION
- LIGHT INDUSTRIAL ENVIRONMENTS

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Intermec's expertise in real-world RFID implementations, combined with Blackroc's in-depth knowledge of 13.56 MHz RFID technology is reflected in the IP3 1356 reader, an accessory handle for attachment to the popular Intermec® 700 Series Colour mobile computers. The IP3 1356, the next generation of portable RFID readers from Intermec, delivers first-of-its kind capability by combining the power of a handheld mobile computing device with three radios, and the ability to read and write to 13.56 MHz RFID tags.

Users of the 700 Series Colour 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 IP3, and the strength of the Microsoft® Pocket PC platform, gives users an unheard of flexibility in scanning, data transmission and application computing. While RFID solutions are ideal for eliminating human intervention and line of sight restrictions in data collection applications, there is always a need for exception-based scanning.

The IP3 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. For example, applications requiring a search for a specific item are made easier by the mobility of the IP3 and 700 Series because the user can bring them to a specific location to execute a search. The alternative would be to pass all items considered in the search through a portal equipped with a fixed RFID reader, requiring more time and effort and loss of productivity.

The IP3 1356 has class leading read range for a 1356 handheld. Thanks to its generous antenna size, 130 x 80 mm 1356 tags can be read at around 200 mm. Like all Intermec products, the durability and ergonomics required for rugged mobile computing are designed into every aspect of the IP3. 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 IP3 is ready for integration into supply chain management for retail operations, industrial manufacturing, and logistics applications, and many other areas where 1356 is already a proven technology such as libraries, asset tracking, security and many others. The IP3 1356 is available in the RFID HF frequency band, and will not interfere with industry-standard PAN, LAN or WAN transmissions occurring in the mobile data collection environment.

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IP3 1356 Portable RFID reader Specifications

Physical Description

The IP3 1356 reader handle is a snap-on, high-impact plastic and magnesium trigger handle accessory that adds the capability to read and to write to 1356 RFID tags to all Intermec® 700 Series Colour Mobile Computers.

Physical Characteristics

Weight without 700 Series Colour:
0.48 kg with battery (1.1lbs)
Weight with 700 Series Colour:
1.04 kg with battery (2.3 lbs)
Additional batteries weigh 68 g (2.4 oz)

Standard Features

Communications Interface:
Infrared data connection to 700 Colour
Antenna: Internal coil
Read range - will vary by tag spacing, movement, mounting surface, surrounding materials, and orientation, but typically around 150 mm to an ISO card sized tag.
Power:
Removable Lithium–ion battery pack
Accessories:
External battery charger
Tags supported:
ISO 15693 tags plus legacy Texas Tag-it, Philips I-Code and Tagsys tags

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 G rms. 10 to 500Hz, 3 axis (operating)

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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