Product profile

IP30

Handheld RFID Reader

- **Easy, snap-on installation to Intermec mobile computers, featuring near/far area imaging and multiple network communication options**
- **Lightweight ergonomic design**
- **Bluetooth® connection to the mobile computer**
- **Seamless software application portability between Intermec fixed readers and IP30**
- **Optional non-incendive (NI) configurations**
- **Based on EPCglobal certified radio**
- **Available in multiple frequency bands for global operation**

The Intermec IP30 add-on passive UHF RFID handle is a cost-effective, compact, EPCglobal-certified solution for adding mobile RFID read/write capability to Intermec's latest generation of mobile computers including the CN70/70e, CK70, CK71, CK3B, and CK3X.

The modularity of the IP30 when combined with the RFID-readiness of the Intermec mobile computers, transforms into a RFID handheld in a snap. The IP30 supports both in-premise and in-field applications, such as warehouse operations, enterprise asset management, retail and enterprise inventory management, field service, and exception handling.

When combined with one of Intermec's powerful mobile computer products, the IP30 gives the user unmatched data collection and communication capabilities. And combining RFID with multiple network communication options in a single handheld unit enables pin-point location accuracy for real-time asset, source and service tracking.

When added to one of Intermec's 70 Series handheld computers, the IP30 gives users unprecedented versatility both inside and outside of the four walls through combined advanced data collection methods, GPS location association, and communication via multiple network radios, including the latest cellular technologies. In fact, the IP30 is the only long-range handheld RFID reader on the market that combines five wireless technologies in one integrated system: RFID, Wireless WAN, GPS, Wi-Fi, and Bluetooth. RFID reads can now be associated with time stamps and location coding to enhance supply chain visibility for applications like track and trace, point of origin, and field asset and inventory management.

When harsh and hazardous environments make RFID one of the only viable identification and data collection methods, the non-incendive (NI) rated version of the IP30, combined with an NI option of the 70 Series, or mobile computer, provides a solution certified by Underwriters Laboratories (UL) for use in environments in the United States and Canada where gases, dusts, and fliers or fibers may be present.

Similar to Intermec's industry leading fixed and vehicle mount RFID readers, the IP30 has an EPCglobal certified radio that enables seamless application portability among all RFID applications using Intermec readers.

SmartSystems™ Foundation, standard on the Intermec mobile computers, provides a single, convenient console for quick set-up and configuration of all of the settings contained in the device. Administrators can change device settings, send firmware

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upgrades, update software applications, and execute other changes directly from the console to save time and cut costs.

Intermec – Optimizing Enterprise Mobility

Consider Intermec Mobility Lifecycle Services (MLCS), a comprehensive suite that eases the burden and complexity of deploying, managing and supporting mobility across the enterprise. MLCS optimizes resources, increases competitive advantage and maximizes financial returns for your enterprise-scale mobility initiatives. MLCS provides customers with exceptional insight into their mobility initiatives through actionable reporting and consultative expertise, so that they can focus on proactive and strategic management of their business.

For your support plan needs, our Intermec Medallion® Service programs deliver the highest levels of productivity, device reliability, and uptime. With Medallion support, you can choose from the Complete, Select, and Standard programs to get the amount of coverage and protection you need for your light, medium, and heavy product handling solutions. Medallion Service is available in over 70 countries with global pricing and global standards of quality.

Find out more about Intermec's mobility lifecycle services solutions at http://www.intermec.com/services

Physical Description
The IP30 handheld reader incorporates an Intermec high-performance radio module as well as a linear polarized antenna for superior range. The IP30 supports a Bluetooth connection to all supported handheld computers.

The IP30 meets ETSI and FCC standards and is factory configured to operate in many regions including USA, Mexico and Canada, EU, China, Taiwan, Thailand, Australia, New Zealand, Brazil, Hong Kong, Singapore, and Philippines.

Physical Characteristics
Weight without handheld computer:
430 g with battery (0.95 lbs)
Weight with CN70 and CK3B: 880 g with battery (1.94 lbs)
Weight with CN70e: 921 g with battery (2.03 lbs)
Weight with CK3X: 929 g with battery (2.05 lbs)
Weight with CK70: 992 g with battery (2.19 lbs)
Weight with CK71: 1.01 kg with battery (2.24 lbs)

Environmental Specifications
Operating Temp: -15° C to 50° C (5° F to 122° F)
Storage Temp: -30° C to 70° C (-22° F to 158° F)
Humidity: 10 to 95% (non-condensing)
Enclosure: IP64 compliant
Shock: 30 G, 11 ms, half sine pulse (operating)
Vibration: Quasi Random Vibration 17.5G
RMS for 2 hours, each of three axis
Drop Survival: Withstands 4 foot drop (1.3m) 26 times to concrete
Non-incendive (NI) Option: Class I - Div. 2 Groups A, B, C, D; Class II - Div. 2 Groups F, G; Class III - Div 2. T6

Compatible Handheld Computers
CN70, CN70e, CK70, CK71, CK3B, CK3X

Communication Interface to Handheld Computer
Bluetooth

Antenna Type
Linear polarized

Antenna Field
70-degree cone (approx.) measured from nose of device

Typical Read Range (tag and environment dependent)
6.09 cm to 609.6 cm+ (0.2 ft. to 20 ft.+)

Typical Write Range (tag and environment dependent)
30.5 cm to 182.9 cm+ (1 ft. to 6 ft.+)

Maximum Output Power
Up to 30 dBm (regional dependent)

Indicator LEDs
Five indicator LEDs:
1. SmartSystems – Power/Ready to Work
2. Data Transfer to Host
3. RF on
4. Tag Read
5. Battery Status

Power
Removable Lithium-ion battery pack (2400 mAh)

Accessories
External battery charger

RFID Frequency Ranges
865 and 915 MHz bands supporting multiple regional configurations

Tag Air Interfaces
EPCglobal Class 1 Gen 2
ISO 18000-6c
ISO 18000-6b

Software
Demonstration software
Common API with Intermec's RFID reader portfolio

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

North Latin America
Mexico
Phone: (+52) 55 52 41 48 00
Toll Free NOLA:
01800 490 4990

South Latin America
Brazil
Phone: (+55) 11 3711 6770
Fax: (+55) 11 5502 6780

Europe, Middle East & Africa
Reading, United Kingdom
Phone: (+44) 118 923 0800
Fax: (+44) 118 923 0801

Asia Pacific
Singapore
Phone: (+65) 6303 2100
Fax: (+65) 6303 2199

Media Sales
EMEA: (+31) 24 372 3167
USA: (513) 874 5882
http://intermec.custhelp.com

Sales
Toll Free NA: (800) 934 3163
Toll in NA: (425) 348 2726
Freephone ROW:
00800 4488 8844

OEM Sales
Phone: (425) 348 2762

Customer Service & Support
Toll Free NA: (800) 755 5505
Toll in NA: (425) 356 1799
EMEA: intermec.custhelp.com

Internet
www.intermec.com

Worldwide Locations
www.intermec.com/locations

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