

## Product profile

# IP30

## Handheld RFID Reader



- Easy snap-on installation to Intermec mobile computers featuring GPS or near/far area imaging
- Light-weight ergonomic design with choice of Bluetooth® or USB connection
- Seamless application portability between Intermec fixed readers and IP30
- Optional non-incendive (NI) configurations
- Based on EPCglobal certified radio
- Available in 869MHz or 915MHz 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 CN3, CN3e, CK61 and CK61ex.

The modularity of the IP30 and the RFID-readiness of the Intermec mobile computers mean the power of RFID can be literally added in a snap today or at any point in the future to support both in-premise and in-field applications such as warehouse operations, enterprise asset management, in-transit-visibility, direct store delivery and exception handling.

When combined with Intermec's most powerful mobile computers, the CN3 and CN3e, the IP30 gives the user unmatched data collection and communication capabilities. Combining integrated RFID and GPS, along with WiFi, Bluetooth® and WWAN, into a single handheld computer enables pin-point location accuracy for real-time asset, source and service tracking.

The combination of the IP30 and Intermec's new CK61ex mobile computer offer investment protection for the supply chain of tomorrow. Increasingly RFID and bar code labeling are moving away from simple "either-or" co-existence toward

complementary solutions that marry identification at the item, case and pallet levels. The IP30 and CK61ex deliver the needed flexibility to not only read RFID, but also 1D and 2D bar codes from any angle, near or far, within the same application.

When harsh and hazardous environments make RFID one of the only viable identification and data collection methods, the non-incendive rated version of the IP30, combined with the CK61NI mobile computer and Intermec's rigid RFID tags, provides a certified device for reading and writing to RFID tags and transmitting the data via wireless LAN.

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

The IP30 Handheld RFID Reader is based on Intermec's IM4 radio module.

### Physical Description

The IP30 handheld reader incorporates the Intermec IM4 radio module as well as a linear polarized antenna. The IP30 supports both Bluetooth and USB connection to Intermec's CN3, CN3e, CK61 and CK61ex mobile computers. The IP30 meets both ETSI and FCC standards. It can be factory configured to operate in RFID frequency bands: 869MHz, 915MHz.

### Physical Characteristics

#### Weight without handheld computer:

430 grams with battery (15.4 oz)

#### Weight with CN3:

860 grams with battery (1.9 lbs)

#### Weight with CK61:

1.16 kg with battery (2.55 lbs)

### Environment

**Operating Temp:** 0° C to 50° C (32° 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. T4 (Certification Pending)

### Compatible Handheld Computers

CN3, CN3e, CK61, CK61ex

### Standard Features

#### Communications Interface

Bluetooth and USB configurations

### Antenna

Linear polarized

### Field

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

### Typical Read Range (tag dependent)

6.09 cm to 304.8 cm (0.2 ft. to 10 ft.)

### Typical Write Range (tag dependent)

30.5 cm to 60.9 cm (1 ft. to 2 ft.)

### Output Power

U.S. -1W (4W EIRP); Europe - .5W

### 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

### Accessories

External battery charger

### RFID Frequency Ranges

869 and 915 MHz

### Tag Air Interfaces

EPCglobal UHF Gen 2

ISO 18000-6b

ISO 18000-6c

### 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



Copyright © 2008 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A. 611867-01A 01/08

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





[www.L-TronDirect.com](http://www.L-TronDirect.com)

800-830-9523

[info@L-Tron.com](mailto:info@L-Tron.com)

596 Fishers Station Dr | Victor, NY | 14564 | Suite 1 A

[www.L-Tron.com](http://www.L-Tron.com)

