

## 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 with choice of Bluetooth® or USB connection to a mobile computer
- Seamless 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 CN4, CN4e, CN3\*, CN3e\*, CK61, CK61ex, and CK3.

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 in-premises 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 most powerful mobile computer lines, the IP30 gives the user unmatched data collection and communication capabilities. 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 the Intermec CN4 or CN4e, 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 3.5G cellular technologies. 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 the CN4/CN4e, CN3/CN3e, or CK61 mobile computer, where gases, dusts, 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 upgrades, update software applications, and execute other changes directly from the console to save time and cut costs.

## Physical Description

The IP30 handheld reader incorporates the Intermec IM4 high performance radio module as well as a linear polarized antenna for superior range. The IP30 supports both Bluetooth and USB connection to Intermec's CN4, CN4e, CN3\*, CN3e\*, CK61 CK61ex, and CK3 mobile computers.

The IP30 meets ETSI and FCC standards and is factory configured to operate in many regions including USA and Canada, EU, China, Taiwan, Thailand, Australia, New Zealand, Brazil, Hong Kong, Singapore, Philippines, and Malaysia. Some configurations, including mobile computer support, are not available in all regions.

## Physical Characteristics

### Weight without handheld computer:

430 g with battery (0.95 lbs)

### Weight with CN3 or CN4:

860 grams with battery (1.9 lbs)

### Weight with CK61:

1.16 kg with battery (2.5 lbs)

### Weight with CK3:

880 g with battery (1.9 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

CN4, CN4e, CN3\*, CN3e\*, CK61, CK61ex, CK3

## Communication Interface to Handheld Computer

Bluetooth and USB configurations

## Antenna Type

Linear polarized

## Antenna Field

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

## Typical Read Range (tag and environment dependent)

6 cm to 6 m (0.2 ft. to 20 ft.)

## Typical Write Range (tag dependent)

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

## Maximum Output Power

FCC: 30 dBm (26 dBm with CN4/CN4e); ETSI: 23 dBm

## 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

Support for Microsoft BizTalk RFID Mobile

\*LAN-only version of CN3 mobile computers (CN3B and CN3F). Wireless WAN supported only with CN4/CN4e.

## North America

### Corporate Headquarters

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

### North Latin America Headquarters Office

Mexico  
Phone: +52 55 52-41-48-00  
Fax: +52 55 52-11-81-21

## South Latin America

### Headquarters Office

Brazil  
Phone: +55 11 5502.6770  
Fax: +55 11 5502.6780

### 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](http://www.intermec.com)

Worldwide Locations:

[www.intermec.com/locations](http://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



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