

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 the 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 CN70/70e, CK70, CK71, CN4/4e, CN3/3e*, and CK3.

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 latest 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, CN4/CN4e, or CN3/CN3e 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 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 the Intermec IM4 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 and a USB connection to Intermec's CN4/CN4e CN3/CN3e* and CK3 mobile 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, Philippines, and Malaysia.

Physical Characteristics

Weight without handheld computer:

430 g with battery (0.95 lbs)

Weight with CN3 or CN4: 860 g with battery (1.90 lbs)

Weight with CN70 and CK3: 880 g with battery (1.94 lbs)

Weight with CN70e: 921 g with battery (2.03 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: 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. T6

Compatible Handheld Computers

CN70, CN70e, CK70, CK71, CN4, CN4e, CN3*, CN3e*, CK3

Communication Interface to Handheld Computer

Bluetooth and USB configurations (platform dependent)

Antenna Type

Linear polarized

Antenna 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.)

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, 915, and 950 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 CN70/70e, CK70, and CN4/CN4e.

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611867-03/12

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