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 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 CN3* and CN3e*, 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.

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.

The IP30 and CK3 combine to provide a broad range of data collection and communication features into a lightweight, slim package. The solution supports businesses in a variety of in-premises applications, improving operational performance metrics, simplifying IT support and controlling operating costs.

As with 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.

Intermec®

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 radio module as well as a linear polarized antenna. The IP30 supports both Bluetooth and USB connection to Intermec's 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.

Physical Characteristics
Weight without handheld computer:
430 g with battery (0.95 lbs)
Weight with CN3:
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. T4

Compatible Handheld Computers
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 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
FCC: 1 W (4 W EIRP); ETSI: 0.5 W

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, 869, 915, and 950 MHz bands supporting multiple regional configurations

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

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). WAN configurations not supported with IP30.

Intermec®
SmartSystems™

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