Barcode 2D-Code RFID

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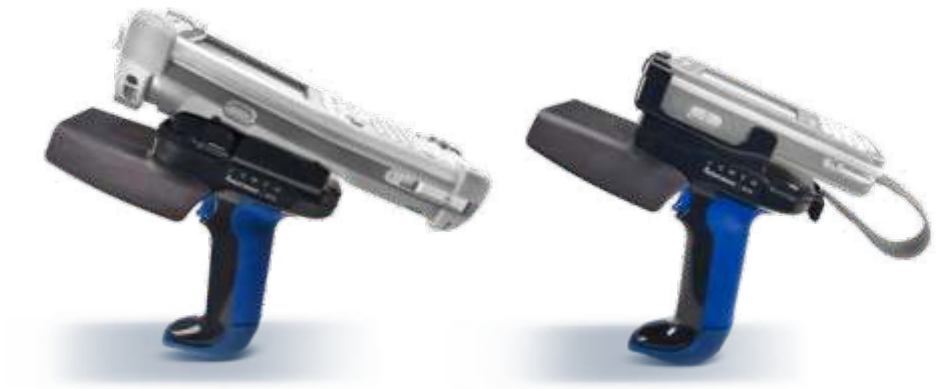

IP30-RFID

- Easysnap-oninstallationtoIntermec mobilecomputersfeaturing GPSornear/farareaimaging
- Light-weightergonomicdesignwith choiceofBluetooth®orUSBconnection
- Seamlessapplication portabilitybetweenIntermec ixedreadersandIP30
- Optionalnon-incendive(NI) conigurations
- BasedonEPCglobalcertiiedradio
- Availablein869MHzor915MHz frequencybandsforglobaloperation

The Intermec IP30 add-on passive UHF RFID handle is a cost-efective, 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 ofer 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.

PhysicalDescription
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
Weightwithouthandheldcomputer:
430 grams with battery (15.4 oz)
WeightwithCN3:
860 grams with battery (1.9 lbs)
WeightwithCK61:
1.16 kg with battery (2.55 lbs)

Environment
OperatingTemp: 0° C to 50° C (32° F to 122° F)
StorageTemp:-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
DropSurvival: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
CommunicationsInterface
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
FiveindicatorLEDs:
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