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The handheld passive RFID reader is a cost-effective, compact, and EPC global-certified device which is designed for both in-premise and in-field applications, such as warehouse operations, enterprise asset management, retail and enterprise inventory management and field service. This long-range handheld RFID reader combines five wireless technologies in one integrated system including RFID, Wireless WAN, GPS, Wi-Fi, and Bluetooth. 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.

This integrated reader can operate in multiple frequency bands for global operation including 865 MHz and 900 MHz. It is compliant with EPC global UHF Gen 2, ISO 18000-6b and ISO 18000-6c protocols and uses Bluetooth or USB interface to communicate with a mobile computer. Designed with an IP64 enclosure and optional non-incendive configurations, this device provides excellent performance even under harsh environments.



Key Features

- ✓ Available in multiple frequency bands (including 865 MHz and 900 MHz) for global operation
- ✓ Provides near/far area imaging and multiple network-communication options
- ✓ Compliant with EPC global UHF Gen 2, ISO 18000-6b and ISO 18000-6c protocols
- ✓ Optional non-incendive configurations
- ✓ Supports Bluetooth or USB connection to a mobile computer
- ✓ Seamless application portability with fixed readers
- ✓ Snap-on design

Applications

- ✓ Logistics
- ✓ Anti-Counterfeiting

Technical Specifications

Accessories	External battery charger
Air Interface Protocols	EPC global UHF Gen 2, ISO 18000-6b, ISO 18000-6c
Certifications	Meets ETSI and FCC regional standards, and is factory configured to operate in many additional countries worldwide.
Communication Interface	Bluetooth and USB configurations (model dependent)
Frequency Range	RFID Frequency Ranges: 865, 915, and 950 MHz bands, supporting multiple regional configurations
Power	Removable Lithium-ion battery pack (2400 mAh)
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: <ol style="list-style-type: none"> 1. SmartSystems – Power/Ready to Work 2. Data Transfer to Host 3. RF on 4. Tag Read 5. Battery Status
Software	Demonstration software Common API with Intermec’s RFID reader portfolio Support for Microsoft BizTalk RFID Mobile
Environmental	
Operating Temperature	0° C to 50° C (32° F to 122° F)
Storage Temperature	-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
Physical	
Weight without handheld computer	430 g with battery (0.95 lbs)



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