

This handheld interrogator provides highly accurate data collection for increased productivity, streamlined business operations and real-time connectivity for critical applications.

The rugged handheld RFID interrogator features Wireless LAN capability with built in 802.11 (b/g) WiFi, USB connectivity to the host using a cradle and powerful Microsoft Windows Mobile 5.0 OS. It combines the function of a mobile device and a full functionality of an RFID reader and a computer into one unit. This handheld interrogator provides highly accurate data collection for increased productivity, streamlined business operations and real-time connectivity for critical applications. It also provides options for user-programmable functions featuring a full alphanumeric data entry system as well as special characters.



The interrogator transmits and receives data at distances of more than 50 meters (150 feet) and communicates with all ISO/IEC 18000-7 transponders including Data Rich, Sensor, and Container Security Active Transponders. Designed with modular keypads and a rugged touch panel, it provides users with maximum readability, ease-of-use and comfort. It is powered by a single replaceable, rechargeable battery and provides rechargeable spare battery with a charging cradle. Besides, this handheld device passes industry's most stringent drop and tumble tests and provides IP64 sealing rating as well as integrated internal antennas for flexibility to use in nearly any environment.

Key Features

- ✓ 300 x 240 color touch-screen display
- ✓ Compatible with ISO / IEC 18000-7 standard
- ✓ Long read/write range of over 50-meters (150 ft)
- ✓ Provides WiFi 802.11 b/g communication function and USB interface
- ✓ Windows Mobile 5.0 operating system
- ✓ Long battery life for a full shift through superior power management
- ✓ IP64 sealing standard for protection

Technical Specifications

Compatibility	ISO 18000-7 Transponders such as our model 124064, 124065,124066
Performance	
Read/Write range	up to 50 m (150 feet) in free air (line of sight)
Communication - Pod	
Operating frequency	433.92 MHz
RF Air Protocol	ISO/IEC 18000-7
Data rate up/download	27.778 kbits/s
Modulation	FSK ± 50 kHz at 27.778 kHz data rate
Transmit power	≤ 0 dBm to comply with national regulations
Sensitivity	95 dBm
Interfaces - Pod	
Serial interface to HH	RS232
Serial interface feed through HH	USB
Status Display	4 LED (ANT, RUN, ERR, COM)
Host Communication	
Wireless	802.11 b/g
Wired	USB 2.0 (through the cradle)
Power Source for HH	
Handheld Battery	Removable, rechargeable 7.2 volt Lithium Ion 2200 mAh battery pack, 15.8 watt hours
Memory on HH	
Memory on HH	64 MB RAM and 128 MB ROM
Identification code	32 bit fixed ID
Operating System on HH	
Type	Windows Mobile 5.0 (optionally higher)

Environmental for HH	Operating temperature	-20 °C to +50 °C
	Storage temperature	-40 °C to +60 °C
Humidity	5% to 95% relative humidity (non-condensing)	
Drops	Multiple drops to concrete: 6 ft./1.8 m across the operating temperature range	
Enclosure rating	IP 64	
Tumble	2,000 one-meter tumbles at room temperature (4,000 hits)	
Physical		
Dimensions - HH	27.3 cm L x 11.9 cm W x 19.5 cm H (10.75 in. L x 4.7 in. W x 7.7 in. H)	
Dimensions - Pod	56.6mm L x 70.8mm W x 41mm H(2.29 in L x 2.79 in W x 1.62 in H)	
Weight - HH	35.4 oz./1 kg (includes battery, scanner and radio)	
Approvals		
Radio	FCC Part 15, EN 300220, RSS-210	
EMC & Immunity	EN 301489	
Safety	EN 60950, UL NI File E337179	
Ordnance	HERO Listed	
Accessories	Holster, Belt Clip, AC Power Adapter (geographically specified) , Rechargeable Battery, and Battery Charger, Charging/docking cradle with USB connection	

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