

**RFID**  
Specialized



## **SmartCompact** Rugged yet small

**HF/UHF RFID - Gun type**

**Supporting EPC Gen2 regulation**

**Available various Frequency band**

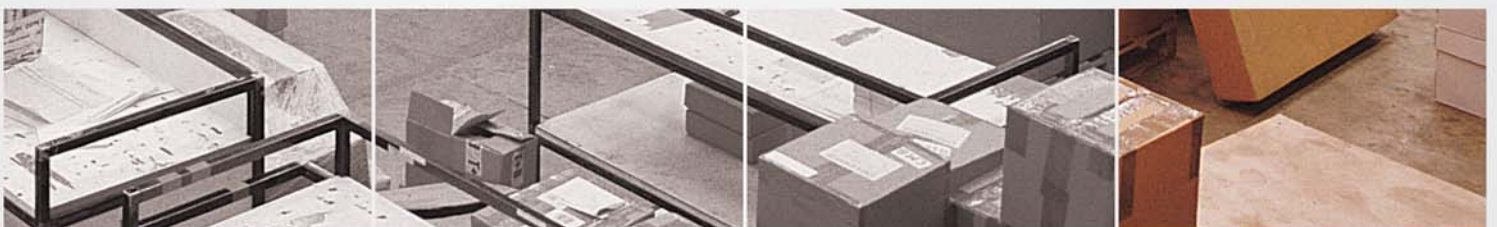
**1D/2D Barcode scanner**

**Windows CE 5.0**

**IP54 Sealed**

**4-Foot drop test**

**Bluetooth, Wireless LAN**



## SmartCompact

## Rugged yet small

The SmartCompact offers the latest generation technologies in a small, integrated packages that is ideal for mobile work environments. Mobile workers can enter data by utilizing the integrated keypad or the touch screen (with pop-up keyboard or keypad), while also using automated data capture utilizing the integrated 1D or 2D scanner and 13.56MHz or UHF RFID reader. These handheld products offer wireless connectivity to the enterprise through industry standard wireless LAN (802.11b/g 2.4GHz) and Bluetooth.

### Optional Features



*Rubber Cover*



*Gun Type  
RFID Reader*



*80mmx80mm  
Antenna*



*Vehicle Cradle*



*Desktop Cradle*

### SmartCompact Specification Highlights

#### Physical and Environmental Characteristics

Dimensions and Weight	6.6" L x 3.0" W x 1.2" D (168 mm L x 78 mm W x 33 mm D), 290 g (0.64lb)
Display	3.5" Transflective TFT sunlight readable LCD w/LED backlight, QVGA, 256K Colors, resistive touch
Sealing	IP54
Operating Temperature	-4° F to +122° F (-20° C to +50° C)
Storage Temperature	-31° F to +140° F (-35° C to +60° C)
Humidity	5% - 95% non-condensing
Drop Survival	Withstands multiple 4 ft (1.2 M) drops to concrete

#### Performance Characteristics (Main Body)

Processor	Intel® Xscale™ PXA 255
System Memory	128MB SDRAM / 128MB Flash ROM
Keyboard	16 + 1 alphanumeric keyboard, 2 scanner buttons, navigation, power button, software reset button
Operating System / Software	Microsoft® WinCE 5.0, Internet Explorer, Async, S/W update from Compact Flash, etc.
System Expansion	1 Compact Flash Type II, 1 SD Card
Application Development	Microsoft Embedded Visual C++®, Microsoft Visual Studio .NET®
Standard communication	USB 1.1 Client, IrDA(1.2 compliant), RS232
LED	Alarm notification/ charger indicator, scanner indicator, WLAN indicators
Audio	One mono speaker, one earphone jack w/MIC, Vibrator for Good reading
Bar-code Scanning	1D Scanner or 2D Imager
Battery System	2000mAh Li-ion removable battery @3.7V (10 operation and 100 standby hrs), Recharging 5 hrs/ 110mAh backup battery holding system data for 2.7 hours without main battery/ 3000mAh battery(Optional) * Operation and Standby hours may depend on applications.

#### Network Characteristics

Wireless	IEEE802.11b/g 2.4 GHz, Bluetooth Class II integrated
GPS	GPS Module through Compact Flash Slot

#### RFID reader - Gun type (optional)

Radio frequency	HF (13.56MHz) & UHF (US: 902-928MHz, EU: 865.6-867.6MHz, JP: 952-954MHz)
Tag support	HF: ISO14443A/B, ISO15693 / UHF: EPC C1G2, ISO18000-6B/C
Output power	0.2W(HF) / 0.5W, 1W(UHF)
Antenna Type (Gun type)	HF 50mm x 50mm (2" x 2") 80mm x 80mm (3.1" x 3.1") UHF 50mm x 50mm (2" x 2") --- [ Europe, Japan ] 80mm x 80mm (3.1" x 3.1") --- [ USA, Europe, Japan ]
Battery System (Gun type)	2200mAh Li-ion removable battery @3.7V (8 operation hrs), Recharging 5 hrs * Operation and Standby hours may depend on applications

#### Regulatory Approvals

PXA255(FCC Class B, CE, MIC), HF/UHF(FCC Class B, CE, MIC)

#### Optional Accessories

Desktop Cradle (1USB, 1Serial, 1DC power jack with extra battery charger), Vehicle Cradle (1DC power jack), Protective Carrying Case, Pistol grip, Multi purpose CF card cover (under development), Protective rubber cover, RFID Gun battery 3 pack charger

Bluetooth

Wireless LAN



Microsoft Windows CE 5.0