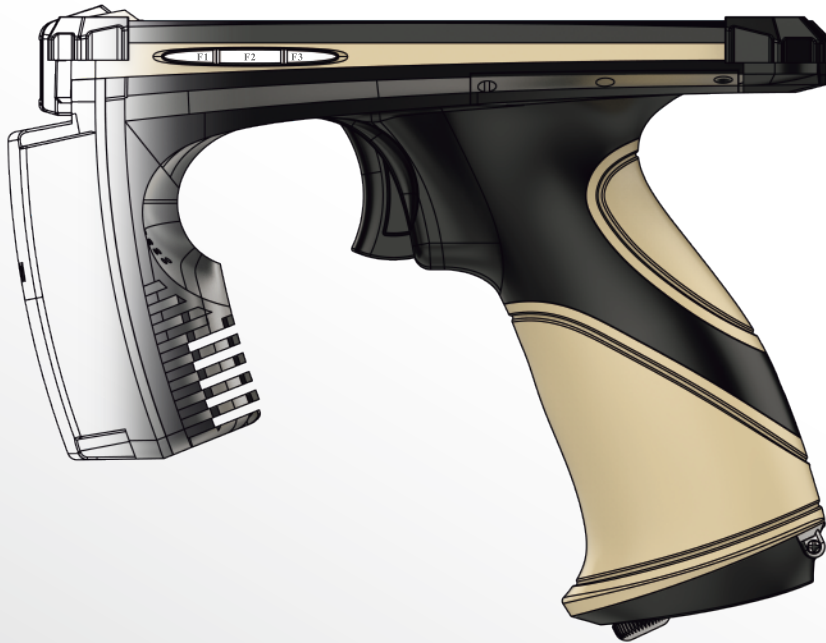


Orca 50 Air

Handheld Data Terminal



New air medium antenna technology

30% Performance improved



1. Advantages



High Performance Computing Platform

Powerful hardware configurations to ensure applications like massive data collection, 3D real-time display can be operated smoothly.



Android 6.0

Android 6.0 OS, keep optimizing and updating.



Top Class Materials

CNC aluminum, PC+ABS (SABIC) body with 1.1mm thickness tempered glass offer excellent strength + heat dissipation + electromagnetic shielding features. Soft material around the handle offers a comfortable grip.



Industrial-grade components + super long life cycle

Industrial-grade and military-grade components ensure stable operation in harsh environments. Over ten years of supply can be offered, which provides guarantee for the long term projects.



Ultra Long Operating Time

Pistol style hot-swappable battery system makes backup battery more convenient to be restored, so that the operating time is unlimited.(extra batteries are available)



High-end UHF RFID Engine

Equipped with self-developed Rodinbell M-2600 module based on Impinj R2000 chip, offering the best performance and excellent multi-tag identification ability in the industry.



Outstanding Industrial Design

The idea was inspired by orca, and each single detail has been well refined. The appearance is compact, elegant and balanced, which makes the product eye-catching and impressive.



Excellent Mechanical Protection

Safety drop height 1.6m. With IP64 protection grade to resist dusts and splashes effectively.

2. Performance comparison



3. Product color



Beige



Black

4. Electrical Parameters

Mechanical parameters

Materials	CNC aluminum, PC + ABS (SABIC)
Dimensions	167*82*129mm Grip 111*38*47mm
Weight	580g (battery included/standard version)

System Characteristics

Operating System	Android 6.0
CPU	Quad-core Cortex-A17 / 1.8 GHz
GPU	ARM Mali-T764/High performance 3D engine
RAM +ROM	2G+32G 4G+64G Optional
LCD	5.0 inches/ 1280*720 / IPS / 180°view angle
Touch Screen	1.1 mm thickness tempered glass/ 10- dot touch / operable with gloves
Hotswapping Battery Buttons	Pistol style hotswapping battery system
Power / Volume	3 ALPS buttons/ Operating force 2.5N / Operating life 1 million cycles
Scan Trigger	OMRON button / Operating force 1.27N/ Operating life 10 million cycles
Power	6,000mAh chargeable li-polymer battery
Card Slots	Nano SIM card slot*1 / TF card slot*1
USB Interface	Micro USB / MOLEX connector /Operating life 10,000 cycles
Audio	Large speaker stereo system
Vibration	Button style / 10mm diameter
Charge Indicator	Bicolor LED

Wireless Communications

WIFI	IEEE802.11b / g / n
Bluetooth	Bluetooth 4.0
4G	Supported Optional

Application Environment

Operating Temp	-20°- +60°
Storage Temp	-30°- +70°
Humidity	5%RH - 95%RH (non -condensing)
Protection Grade	IP64
Safety Drop Height	1.6m / 5.25ft

Data Collections

1D Barcode	Optional
Engine	Motorola EM1350
Support	UPC/EA Symbol SE955N/Code128/ Code39/Code93/Code11/ Interleaved 2 of 5/ Discrete 2 of 5/ Chinese 2 of 5/Codabar/MSI/ RSS.etc.

2D Barcode	Optional
Engine	Zebra SE4750, NLS EM3396, EM3296
Support	Data matrix / QR Code / PDF417 / US Planet / UK Postal, etc.

UHF RFID	
Engine	Rodinbell M-2600 module based on Impinj Indy R2000 chip
Protocol	EPC Global UHF Class 1 Gen 2 / ISO 18000-6C / ISO 18000-6B
Frequency	902-928MHz , 865- 868MHz Optional
Output Power	0~33dBm
Peak Inventory Speed	> 500 tags /s
UHF Antenna	4dBi air dielectric antenna
Read Distance	> 12m
Supported Regions	US, Canada and other regions following US FCC Europe and other regions following ETSI EN 302 208 China Korea Malaysia

Camera	Optional	13 megapixels/ automatic focus/ flashlight
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Global positioning system	GPS&GLONASS
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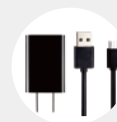
Accessories



Battery



Desktop charger



Charger and
Data cable



Hanging Lace