

Orca 53

Handheld Data Terminal



Compact and rugged



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.



Industrial Grade Components

Industrial and military grade components ensure stability and endurance in harsh environment.



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)



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 1.2m. With IP64 protection grade to resist dusts and splashes effectively.

2. Product color



Beige



Black

3. Electrical Parameters

Mechanical parameters

Materials	CNC aluminum, PC + ABS (SABIC)
Dimensions	150*122*70mm
	Grip 111*38*47mm
Weight	480g (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+16G
	4G+64G Optional✓
LCD	4.7 inches/ 1280*720 / IPS / 180°view angle
Touch Screen	1.1 mm thickness tempered glass/ 5- dot touch / operable with gloves
Hotswapping Battery Buttons	Pistol style hotswapping battery system
Power / Volume	3 ALPS buttons/ Operating force 2.2N / 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
Loud Speaker	Supported
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	1.2 m / 6.56ft

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
Support	Data matrix / QR Code / PDF417 / US Planet / UK Postal, etc.

UHF RFID Protocol	EPC Global UHF Class 1 Gen 2 / ISO 18000-6C
Frequency	902-928MHz , 865- 868MHz Optional✓
Output Power	0~28dBm
Peak Inventory Speed	> 200 tags /s
UHF Antenna	3dBi air medium antenna
Read Distance	> 5m (The test label: Impinj E41b)
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 & Data cable



Hanging Lacey