

Orca 55

Handheld Data Terminal



Lighter and less power consumption

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 + 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)



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







Black



Beige

3. Electrical Parameters

Mechanical parameters	
Materials	PC
Dimensions	141.7*70*122.9mm
Weight	440g (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	IEEE802.11 b/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	18~26dBm		
Peak Inventory Speed	> 50 tags /s		
UHF Antenna	1.5dbi ceramic antenna		
Read Distance	> 1.5m (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		
Global positioning system	GPS&GLONASS		
Accessories			
			
Battery	Desktop charger Optional	Charger & Data cable	Hanging Lace