

# Orca 30

Handheld Data Terminal



Salute to the classics    Newly upgraded

# 1. Advantages



## High Performance Computing Platform

Octa-core 64-bit Cortex-A55 processor (up to 2.0 GHz), plus a 200M RISC-V Co-processor and an independent 2.0 TOPS NPU make all kinds of massive data processing smoothly.



## Android 14.0

Android 14.0 OS, keeps optimizing and upgrading.



## Top Class Materials

Cast Aluminium + PC body, with tempered glass provide excellent rigidity + heat dissipation + electromagnetic shielding features. Soft material around the handle offers a comfortable grip.



## Industrial-grade Components

Industrial-grade and military-grade components ensure stable operation in harsh environments.



## 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 UHF RFID module, it is reputable in the industry for the outstanding reliability and stability and extremely strong multi-tag identification performance.



## 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. IP64 protection grade.

## 2. Electrical Parameters

Mechanical parameters	
<b>Materials</b>	Cast Aluminium + PC
<b>Dimensions</b>	167mm*82mm*130mm Grip 111mm*38mm*47mm
<b>Weight</b>	615g (Battery included)
System Characteristics	
<b>Operating System</b>	Android 14.0
<b>CPU</b>	Octa-core 64-bit Cortex-A55 /up to 2.0 GHz + a 200M RISC-V Co-processor
<b>NPU</b>	2.0 TOPS
<b>GPU</b>	G57 MC1
<b>RAM+ROM</b>	4G+32G
<b>LCD</b>	5.0 inches/ 1280*720 / IPS / 180°view angle
<b>Touch Screen</b>	1.1mm thickness tempered glass/ 10- dot touch/ operable with gloves
<b>Hotswapping Battery</b>	Pistol style hotswapping battery system
<b>Power/Volume</b>	3 ALPS buttons/ Operating force 2.2N / Operating life 1 million cycles
<b>Scan Trigger</b>	OMRON button / Operating force 1.27N/ Operating life 10 million cycles
<b>Power</b>	6,000mAh chargeable li-polymer battery
<b>Card Slots</b>	Nano SIM card slot*1 / TF card slot*1
<b>USB Interface</b>	USB 3.0 TYPE C (OTG supported)
<b>Speaker Size</b>	28mm*9mm*3.8mm
<b>Vibration</b>	Button style / 10mm diameter

Wireless Communications	
<b>WIFI</b>	2.4G/5G Dual-Band
<b>Bluetooth</b>	Bluetooth 5.0
<b>4G</b>	Supported

Application Environment	
<b>Operating Temp</b>	-20°C~+60°C
<b>Storage Temp</b>	-30°C~+70°C
<b>Work Humidity</b>	5%RH - 95%RH (non -condensing)
<b>Protection Grade</b>	IP64
<b>Safety Drop Height</b>	1.6m / 5.25ft

Data Collections			
<b>1D/2D Barcode</b>			
<b>2D</b>	Datamatrix/QRCode/PDF417 US Planet/ UK Postal, etc.		
<b>1D</b>			
	UPC/EA Symbol SE955N/Code128/ Code39/Code93/Code11/Interleaved 2 of 5/ Discrete 2 of 5/Chinese 2 of 5/ Codabar/MSI/ RSS, etc.		
<b>UHF RFID</b>			
<b>Sensitivity</b>	-85dbm		
<b>Protocol</b>	EPC Global UHF Class 1 Gen 2/ ISO 18000-6C		
<b>Frequency</b>	902~928MHz, 865~868MHz <span style="color: #007bff;">Optional ✓</span>		
<b>RF Output Power</b>	0~33dBm		
<b>Peak Inventory Speed</b>	>200tags/s		
<b>UHF Antenna</b>	4dBi circularly polarized antenna		
<b>Read Distance</b>	>12m		
<b>Supported Regions</b>	US, Canada and other regions Following U.S. FCC Europe and other regions following ETSI EN 302 208 China Korea Malaysia		
<b>Camera</b>	13 megapixels/ automatic focus/ flashlight		
<b>Global positioning system</b>	GPS & GLONASS & Beidou		
Accessories			
			
Battery	Desktop Charger <span style="color: #007bff;">Optional ✓</span>	Charger & Data Cable	Hanging Lace