

## 5.5 Inches Handheld Android 10.0 IP65 Industrial Data Terminal with Cradle Optional

(M/N:OCBS-C6)

OCBS-C6 is an Android OS10.0 device that supports 4G high-speed network communication. Inside the compact handheld device, IP65 water/dust seal rating, 1.5m/4.5ft drop resistance, ergonomic design, over-molding construction, fast charging technology, tough 5.5-inch Gorilla Glass 3 screen for performance. The latest Octa-Core processor 4GB RAM/64GB ROM ultra-high memory, the best choice for outdoor industrial applications.

### Features:



### **Extremely Stable Performance**

Android 10.0 OS with memory of 4GB RAM/ 64GB ROM can provide the highly standard experience;

### **High Speed Data Communication**

Double insurance of 4G high Speed network and dual-frequency WIFI network can ensure the real-time data communication in different using environment;

## Rugged Ergonomic and Over-molding Design

Over-molding and ergonomic hardware design can satisfy most of the tough environment from different fields;

## Extremely Stable Hardware Display

5.5 inch Gorilla Glass 3 9H screen can ensure the performance under different tough environment;

## Highly Customized Structure

'All-in-One' hardware design conception can expand the hardware modules integration based on different project requirements;

## Quick-Charging

Quick-charging technology can provide the most efficient experience.

## Specification

	OCBS-C6	OCBS-C6-Plus	OCBS-C6-Pro
<b>PHYSICAL CHARACTERISTICS</b>			
Dimension	170.8mm(H)x81mm(W)x20.4mm(D)±2 mm	170.8mm(H)x81mm(W)x28mm(D)±2 mm	170.8mm(H)x81mm(W)x28mm(D)±2 mm
Weight	Net Weight :380g (including battery&wrist strap), Gross Weight:450g	Net Weight: 400g (including battery&wrist strap), Gross Weight:500g	Net Weight:600g (including battery&wrist strap), Gross Weight:750g
Machine package	200*140*90mm 420*450*300mm/11.6kg for machine (20 in 1 carton)	200*140*90mm 420*450*300mm/13.5kg for machine (20 in 1 carton)	214*197*114mm 420*230*458mm/7.5kg for machine (8 in 1 carton)
Cradle package	180*135*70mm/368g		
Display	Tough 5.5 inch TFT-LCD(720x1440) touch screen with backlight		
Backlight	LED backlight		
Keypads	3 TP keys, 4 function keys, 4 side buttons		
Expansions	2 *PSAM, 2* SIM, 1* TF		
Battery	Rechargeable li-ion polymer, 3.8V, 4800mAh	Rechargeable li-ion polymer, 3.8V, 5200mAh	Rechargeable li-ion polymer, 3.8V, 7200mAh
Hand lever	NA	NA	Prompt functions
<b>PERFORMANCE CHARACTERISTICS</b>			
CPU	Cortex A73 2.0GHz octa-core,MTK6762		
Operating System	Android 10.0		
Storage	4GBRAM, 64GB ROM, Micro SD up to 256GB for option		
<b>USER ENVIRONMENT</b>			
Operating Temp.	-20°C to 50°C		
Storage Temp.	-20°C to 70°C		
Humidity	5%RH to 95%RH(non-condensing)		
Drop Specifications	5ft./1.5 m drop to concrete across the operating temperature range		
Sealing	IP65, IEC compliance		
ESD	±15kv air discharge, ±8kv direct discharge		
<b>DEVELOPMENT ENVIRONMENT</b>			

Language	Java		
Environment	Android Studio or Eclipse		
<b>DATA COMMUNICATION</b>			
WWAN	TDD-LTE Band 38, 39, 40, 41; FDD-LTE Band 1, 2, 3, 4, 5, 7, 8, 12, 17, 20		
	WCDMA(850/1900/2100MHz);		
	GSM/GPRS/Edge (850/900/1800/1900MHz);		
WLAN	2.4GHz/5.0GHz Dual Frequency, IEEE 802.11 a/b/g/n/ac		
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.2		
GPS	GPS(embedded A-GPS), accuracy of 5 m		
<b>DATA CAPTURE</b>			
<b>BARCODE READER(OPTIONAL)</b>			
2D bar code	Honeywell 2D Scan Engine or Newland NLS 2D Scan Engine		
	Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal, etc	
<b>COLOR CAMERA</b>			
Resolution	Rear 13 megapixel, front 5.0 megapixel		
Lens	Auto-focus with LED flash		
<b>RFID READER(OPTIONAL)</b>			
RFID NFC	Frequency	13.56MHz	
	Protocol	ISO 14443A&15693, NFC-IP1, NFC-IP2	
	R/W Range	2cm to 5cm	
RFID UHF (Optional)	NA	Frequency: 865-868MHz or 920-925MHz	
	NA	Protocol: EPC C1 GEN2/ISO 18000-6C	
	NA	R/W Range: 0cm to 50cm	
Finger Print (Optional)	NA	Capacitive fingerprint module	NA
ACCESSORIES	1xPowerSupply(input:AC100V-240V, 50Hz/60Hz,output:DC5V/2A), 1xLithiumPolymer Battery, 1xUSB data cable		
Optional	Cradle		

**OCBS-C6**

# **MOBILE DATA TERMINAL**

High Performance | High Protection | High Reliability



# 8 CORE ADVANTAGES



64-bit octa-core Processor  
with frequency of 2.0GHz



Latest Android 10.0 system  
with GMS certified



High-Accuracy  
2D scanner



HD camera with 13M rear camera  
and 5M front camera



5.5 inch IPS HD Display  
with aspect ratio of 18:9



Ergonomic design &  
Industrial experience



Large battery of  
4800/5200/7200mAh



Dual-Frequency WIFI  
with Seamless Roaming

# MULTIPLE APPLICATIONS



Logistic Management



Retail Management



Spot Inspection



Livestock management



FMCG Management



Asset Management

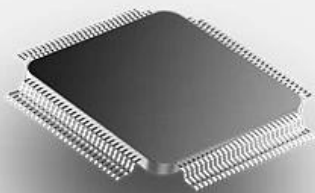


Equipment Maintenance



Remote Health Care

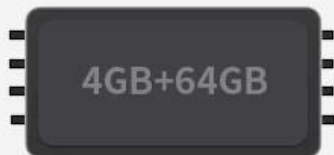
# HIGH-LEVEL PERFORMANCE EXPERIENCE



## High-End & Powerful Octa-Core CPU

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OCBS-C6 equipped with high-speed processor, are designed with octa-core CPU up to 2.0GHz to ensure the ideal service experience, which increases CPU&GPU performance up to 70% compared with the main competitors in the market.



## High-speed Memory Combination

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OCBS-C6 serial products provide the large memory of 4GB RAM/64GB ROM to match the high-standard project requirements.



## Reliable Android 10.0 Operation System and GMS Certified

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OCBS-C6 is embedded with Android 10.0, as pioneer in this industry. GMS certified shall product high-standard security level together with ultimate experience.

## 5.5 INCH IPS HD DISPLAY

OCBS-C6 serial products are equipped with 5.5 inch IPS HD display with resolution of 720\*1440 and industrial tough touch screen based on the top trend with aspect ratio of 18:9 which provides the best visual experience.





# Embeded Large Li-ion Battery of 4800mAh or higher

Large battery of 4800mAh or higher shall satisfy most of the projects and provide the high-level service experience

**4 HOURS**

CHARGING

**12 HOUS**

CONTINUOUS WORKING

**15 DAYS**

STAND-BY



# High-standard Protection High-level Reliability

Designed with PC and TPU, together with integrated Ti-Mg alloy holder shall satisfy extremely hostile environments



Fall prevention



waterproof

# Double WiFi Double fluency

Double insurance of 4G high Speed network and dual-frequency WIFI network can ensure the real-time data communication in different using environment



2.4G 5G



# High-speed&Accurate Barcode Scanning

OCBS-C6 serial products integrated with professional&accurate 2D barcode scan engine shall provide accurate and fast reading experience which meet different tough environments including, dirty/defective barcodes.



# Overturn the Limitation Perform the future

Equipped with Impinj R2000 UHF reader and circularly polarized antenna, performance of OCBS-C6 improves much, reading distance would be up to 20 meters (adjustable based on testing environment and tag).



$\geq 20M$

# In Dense Environment NEW UHF Pioneer Reader

Ideal hardware design equipped with circularly polarized antenna shall provide the perfect performance for dense environment, reading speed of 200 tags/s and consuming less than 10 seconds for 2000 tags.

















## Relevant documents:

[OCBS-C6 Scanner SDK](#)

[OCBS-C6 NFC SDK](#)