

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
PHYSICAL CHARACTERISTICS			
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	200*140*90mm	214*197*114mm
	420*450*300mm/11.6kg for machine (20 in 1 carton)	420*450*300mm/13.5kg for machine (20 in 1 carton)	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
PERFORMANCE CHARACTERSTICS			
CPU	Cortex A73 2.0GHz octa-core,MTK6762		
Operating System	Android 10.0		
Storage	4GBRAM, 64GB ROM, Micro SD up to 256GB for option		
USER ENVIRONMENT			
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		
DEVELOPMENT ENVIRONMENT			

Language	Java		
Environment	Android Studio or Eclipse		
DATA COMMUNICATION			
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		
DATA CAPTUEER			
BARCODE READER(OPTIONAL)			
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	
COLOR CAMERA			
Resolution	Rear 13 megapixel, front 5.0 megapixel		
Lens	Auto-focus with LED flash		
RFID READER(OPTIONAL)			
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
			Protocol: EPC C1 GEN2/ISO 18000-6C
			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

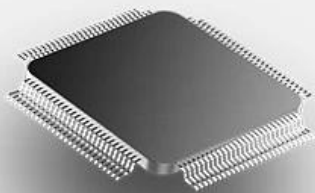


Dual-Frequency WIFI
with Seamless Roaming

MULTIPLE APPLICATIONS

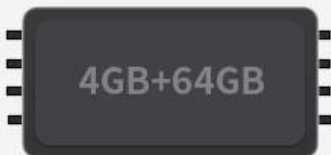


HIGH-LEVEL PERFORMANCE EXPERIENCE



High-End& Powerful Octa-Core CPU

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

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

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

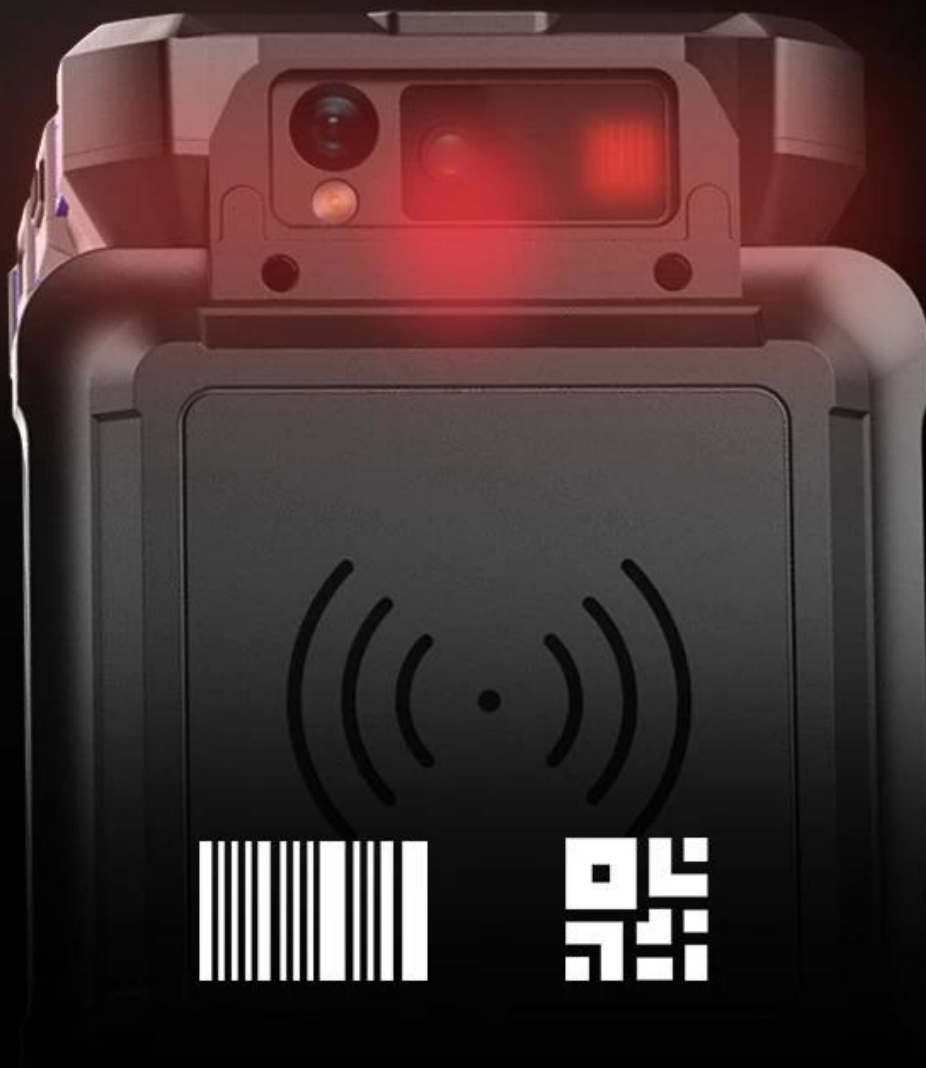
Double WiFi Double fluency

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



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).



$\geq 20\text{M}$

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](#)