

# Water proof Android UHF PDA data collector with optional handle

(M/N:OCBS-D5000)

## Features

- Android 5.1.1
- 1GB RAM, 8GB ROM
- Gorilla 5.0 in. 720\*1280 Gorilla HD Screen
- Rugged IP65/1.5m Drop Tolerance
- Rechargeable li-ion polymer, 3.7V, 8000mAh Battery
- Rear Camera 8 MP, auto-focus with LED flash
- Support 4G/Wifi/GPS/Bluetooth
- HHW Software Development Kit
- 1D/2D Barcode Scanner (optional)
- RFIDLH/HF/UHF/NFC (optional)
- TCS1SM Capacitive Fingerprint Sensor (optional)

## SPECIFICATIONS

PHYSICAL CHARACTERISTICS	
Dimension	170mm(H)x85mm(W)x23mm(D)±2 mm
Weight	Net Weight :380g (including battery&wrist strap)
Display	Gorilla 5.0 in. TFT-LCD(720x1280)touch screen with backlight
Backlight	LED backlight
Keypads	3 TP keys, 6 function keys, 4 side buttons
Expansions	2 PSAM, 1 SIM, 1 TF
Battery	Rechargeable li-ion polymer, 3.7V, 8000mAh
PERFORMANCE CHARACTERISTICS	
CPU	Quad A531.5GHz quad-core
Operating System	Android 5.1.1
Storage	1GB RAM, 8GB ROM, MicroSD(max 32GB expansion)
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, ±8kv indirect discharge
DEVELOPMENT ENVIRONMENT	

SDK	HHW Software Development Kit	
Language	Java	
Environment	Android Studio or Eclipse	
DATA COMMUNICATION		
WWAN	TDD-LTE Band 38, 39, 40, FDD-LTE Band 1,2,3, 4,7; WCDMA(850/1900/2100MHz); GSM/GPRS/Edge 850/900/1800/1900MHz);	
WLAN	2.4G/5GDual Frequency, IEEE 802.11 a/b/g/n/ac	
WPAN	Bluetooth Class v2.1+EDR, Bluetooth v3.0+HS, Bluetooth v4.0	
GPS	GPS(embedded A-GPS), accuracy of 5 m	
DATA CAPTUER		
BARCODE READER(OPTIONAL)		
1D barcode	1D laser engine	Honeywell N431x
	Symbologies	All major 1D barcodes
2D barcode	2DCMOSImager	Honeywell N6603
	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	8.0 megapixel	
Lens	Auto-focus with LED flash	
RFID READER(OPTIONAL)		
RFID LF	Frequency	125KHz/134.2KHz(FDX-B/HDX)
	Protocol	ISO 11784&11785
	R/W Range	2cm to 10 cm
RFID HF	Frequency	13.56MHz
	Protocol	ISO 14443A&15693
	R/W Range	2cm to 8cm
RFID UHF	Frequency	865~868MHz or 920~925MHz
	Protocol	EPC C1 GEN2/ISO 18000-6C
	Antenna Gain	Circular antenna(2dBi)
	R/W Range	1 m to 1.5 m(tags and environment dependant)
Active 2.45GHz	Read range more than 200 m (customization)	
433MHz	Read range more than 200 m (customization)	
ZigBee READER(OPTIONAL)		
Protocol	IEEE 802.15.4 (customization)	
Reading Range	100 m to 200 m(customization)	
FINGERPRINT READER(OPTIONAL)		
Sensor	TCS15M	
Sensor type	Capacitive, area sensor	
Resolution	508 DPI	
Performance	FRR<0.008%, FAR<0.005%	
Capacity	1000	
PSAM SECURITY(OPTIONAL)		
Protocol	ISO 7816	
Baudrate	9600, 19200, 38400,43000, 56000, 57600, 115200	
Slot	2 slots(maximum)	
ACCESSORIES		
Standard	1xPower Supply 1xLithium Polymer Battery 1xDC charging cable 1xUSB data cable	
Optional	Cradle,Handle, UHF gain board	

