

# *Handheld Android Industrial Mobile Data Terminal with Barcode Scanner*

## *(OCBS-D4000)*

### FEATURE:

Android5.1 Operation System;

1G RAM,8G ROM,TF card can up to 64 GB ;

28nm ARM Qual-core cortex A53,1.3-1.5GHz

Support 4G LTE and 3G WCDMA;

GPS,A-GPS satellite positioning;

5 million pixels, with LED, automatic focusing□Option□;

SIM card, PSAM card, Micro SD (TF) Card Expand Port;

Rechargeable Li-polymer Battery 3.7V 4000mAh ;

Color 4.0 inch QVGA imitative glass durable touch screen;

Sealed Environment: IP65;

6 sides can bear impact from 1.5m drop to cement floor.

| Physical Parameter      |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                    | 157 mm x 76 mm x 28 mm                                                                                                                                                                                                                              |
| 324g                    | 324g                                                                                                                                                                                                                                                |
| Display Screen          | Color 4.0 inch QVGA imitative glass durable touch screen<br>TFT-LCD, 650000 colors, 480*800 (QVGA size)<br>The brightness of LED Backlight is adjustable                                                                                            |
| Expand Port             | SIM card, , Micro SD (TF) Card                                                                                                                                                                                                                      |
| Communication Interface | USB2.0 Device,                                                                                                                                                                                                                                      |
| Input Mode              | Standard Stylus, Handwriting, touching input or keyboard input                                                                                                                                                                                      |
| Battery Capacity        | Rechargeable Li-polymer Battery 3.7V 4000mAh                                                                                                                                                                                                        |
| Performance Parameter   |                                                                                                                                                                                                                                                     |
| CPU                     | 28nm ARM Qual-core cortex A53,1.3-1.5GHz                                                                                                                                                                                                            |
| RAM                     | 1G RAM                                                                                                                                                                                                                                              |
| Flash ROM               | Standard 8G NAND Flash Storage<br>Micro SD/TF port (Max up to 64G)                                                                                                                                                                                  |
| Data Communication      |                                                                                                                                                                                                                                                     |
| WI-FI                   | Support IEEE802.11b/g/n protocol, it need effective wireless LAN signal cover                                                                                                                                                                       |
| LTE                     | FDD-(B1 B3 B7 B8 B28), TDD-( B38 B39 B40 B41)                                                                                                                                                                                                       |
| WCDMA /GSM              | WCDMA:<br>850MHZ, Uplink:824MHZ-849MHZ; Downlink: 869MHZ-894MHZ<br>900MHZ, Uplink:880MHZ-915MHZ; Downlink: 925MHZ-960MHZ<br>1800MHZ,Uplink:1710MHZ-1785MHZ; Downlink: 1805MHZ-1880MHZ<br>1900MHZ ,Uplink:1850MHZ-1910MHZ; Downlink: 1930MHZ-1990MHZ |
| Bluetooth               | Support Bluetooth 2.0+EDR/3.0+HS/4.1+HS, transmission distance is 5-10m                                                                                                                                                                             |
| Operating Environment   |                                                                                                                                                                                                                                                     |

|                                      |                                                                                                                                                                                                      |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature                | -10 to 50 degree                                                                                                                                                                                     |
| Storage Temperature                  | -25 to 70 degree                                                                                                                                                                                     |
| Environment Humidity                 | 0%RH--95%RH(no condensation)                                                                                                                                                                         |
| Drop Specifications                  | 6 sides can bear impact from 1.5m drop to cement floor in the range of operating temperature                                                                                                         |
| Roll Specifications                  | 1000 times/0.5m, roll on 6 sides contact area                                                                                                                                                        |
| Sealed Environment                   | IP65                                                                                                                                                                                                 |
| Development Environment              |                                                                                                                                                                                                      |
| Operating System                     | Android5.1                                                                                                                                                                                           |
| SDK                                  | exclusive use software development kit                                                                                                                                                               |
| Supported Language                   | JAVA                                                                                                                                                                                                 |
| Development Tool                     | Eclipse                                                                                                                                                                                              |
| A one-dimensional bar code collect   |                                                                                                                                                                                                      |
| One dimensional laser scanner        | Mingde966 Standard ,Symbol 955, HoneywellN4313(for optional)                                                                                                                                         |
| Resolution                           | 4Mil minimum width                                                                                                                                                                                   |
| Ambient Light                        | 10000ft.candles(107640 lux)                                                                                                                                                                          |
| Scanning Speed                       | 104(±)12/sec (bothway)                                                                                                                                                                               |
| Scanning Angle                       | 47o±35o(Standard) / 35o±3o(narrow angle)                                                                                                                                                             |
| Support Bar Code Type                | UPC/EAN, Code128, Code39, Code93,Code11, Interleaved 2 of 5, Discrete 2 of 5,Chinese 2 of 5, Codabar, MSI, RSS                                                                                       |
| Two-dimensional bar code acquisition |                                                                                                                                                                                                      |
| CCDScanner                           | CCD 2D engine Standard, HONEYWELL N3680 for optional                                                                                                                                                 |
| The Sensor Resolution                | 752(level)×480(vertical)pels(gray level)                                                                                                                                                             |
| Ambient Light                        | All dark 9000ft.candles/96900 lux                                                                                                                                                                    |
| Focus element (VLD)                  | 655nm ± 10nm                                                                                                                                                                                         |
| Support bar code type                | PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, JapanPostal Dutch Postal (KIX)3 |
| RFID                                 |                                                                                                                                                                                                      |
| HF                                   | 13.56MHz;ISO14443A protocol                                                                                                                                                                          |
| Camera                               | 5 million pixels, with LED, automatic focusing for Optional                                                                                                                                          |
| GPS                                  | Support A-GPS                                                                                                                                                                                        |



OCBS-D4000



[www.ocominc.com](http://www.ocominc.com)





OCBS-D4000



[www.ocominc.com](http://www.ocominc.com)





# OCBS-D4000



[www.ocominc.com](http://www.ocominc.com)

