



# BX6100

## Android Mobile Computer

### Industrial and Humanized Hardware Design

Industrial and humanized keypad design and tough 5.5 inch touch screen together with high resolution of 720\*1440 display shall match high standards in logistics, express and retail.

### Octa-Core Processor & Large Memory

Android 10.0 OS with memory of 2GB RAM/16GB ROM or 4GB RAM/64GB ROM shall provide the highly standard experience.

### Superior Data Communication and Security Guarantee

Double insurance of 4G & WIFI network and highly secured Android 10.0 system shall provide the high speed data communication and perfect security guarantee;

### Using Environment



| PHYSICAL CHARACTERISTICS    |                                                                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Dimension                   | 166mm(H)x79mm(W)x31mm(D)±2 mm (without the pistol grip and UHF shield)                                                                     |
| Weight                      | Net Weight :600g (including battery&wrist strap)                                                                                           |
| Display                     | Tough 5.5 in. TFT-LCD(720x1440)touch screen with backlight                                                                                 |
| Backlight                   | LED backlight                                                                                                                              |
| Expansions                  | 1 PSAM, 1 SIM, 1 TF                                                                                                                        |
| Battery                     | Rechargeable li-ion polymer, 3.8V,9000mAh                                                                                                  |
| PERFORMANCE CHARACTERISTICS |                                                                                                                                            |
| CPU                         | Cortex A73 2.0GHz octa-core                                                                                                                |
| Operating System            | Android 10.0                                                                                                                               |
| Storage                     | 2GB RAM/16GB ROM or 4GB RAM/64GB ROM, MicroSD(max 256GB 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                                                                                                 |
| DEVELOPMENT ENVIRONMENT     |                                                                                                                                            |
| SDK                         | Handheld-Wireless Software Development Kit                                                                                                 |
| 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                                                                                                       |

| BARCODE READER(OPTIONAL) |                                                                                                                                                                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2D Barcode               | 2D CMOS Imager                                                                                                                                                                                        |
|                          | Zebra Se4710                                                                                                                                                                                          |
|                          | 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<br>Auto-focus with LED flash                                                                                                                                                |
| RFID READER(OPTIONAL)    |                                                                                                                                                                                                       |
| RFID NFC                 | Frequency<br>13.56MHz                                                                                                                                                                                 |
|                          | Protocol<br>ISO 14443A&15693, NFC-IP1, NFC-IP2                                                                                                                                                        |
|                          | R/W Range<br>2cm to 5cm                                                                                                                                                                               |
| RFID UHF                 | Frequency<br>865~868MHz or 920~925MHz                                                                                                                                                                 |
|                          | Protocol<br>EPC C1 GEN2/ISO 18000-6C                                                                                                                                                                  |
|                          | Antenna Gain<br>Circular antenna(4dBi)                                                                                                                                                                |
|                          | R/W Range<br>20m(tags and environment dependent)                                                                                                                                                      |
| 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; 1xType-C cable                                                                                                                                             |
| Optional                 | Cradle                                                                                                                                                                                                |

