



# UROVO P8100P

## Specifications



UROVO Technology Co., Ltd.



## Specifications

|                      |                    |                                                                                                                                       |
|----------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Performance          | Model              | UROVO P8100P                                                                                                                          |
|                      | O.S.               | Android 13, GMS                                                                                                                       |
|                      | Processor          | Octa-core 2.2GHz                                                                                                                      |
|                      | Memory             | RAM: 4GB, ROM: 64GB<br>RAM: 8GB, ROM: 128GB(optional)                                                                                 |
|                      | Extended memory    | Micro SD card, Up to 256 GB                                                                                                           |
| Basic specifications | Dimensions         | 255.4*175*18.5mm                                                                                                                      |
|                      | Weight             | 826g                                                                                                                                  |
|                      | Display            | 10.1 inch display, 1200*1920                                                                                                          |
|                      | Touch Screen       | Ultra sensitive capacitive touch panel , support multi-touch, works with gloves and wet fingers                                       |
|                      | Main battery       | 10000mAh                                                                                                                              |
|                      | Buttons            | PWR key, Vol+/- key, scan key                                                                                                         |
|                      | Camera             | Front 5MP, Rear 13MP with flash                                                                                                       |
|                      | Sensors            | Light + Accelerator+ Geomagnetic + Gyro                                                                                               |
|                      | Scanning           | Professional scan engine<br>Support international standard 1D/2D barcode;<br>Support barcode displayed on screen and colored barcode; |
|                      | Slots              | Micro SD/TFx1 , Nano- SIMx2, PSAMx1 (optional)                                                                                        |
|                      | Audio              | Dual-microphone with noise cancellation<br>Dual-Speaker, rated power 1.2W<br>Support 3.5mm audio jack                                 |
| Network Connections  | Interfaces         | USB Type-C、 3.5mm ear phone jack、 Pogopin                                                                                             |
|                      | Positioning        | GPS, A-GPS, BEIDOU, GLONASS, Galileo                                                                                                  |
|                      | WAN                | Dual-SIM, Dual-Standby<br>4G, 3G, 2G                                                                                                  |
|                      | Bluetooth          | BT 5.0 + BR/EDR + BLE                                                                                                                 |
|                      | Wi-Fi              | 2.4G/5G, IEEE 802.11a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax ready<br>Roaming: 802.11r /OKC/ PMKID caching                                      |
| Environment          | Temperature        | -20°C to 60°C                                                                                                                         |
|                      | Storage            | -40°C to 70°C                                                                                                                         |
|                      | Humidity           | 5%RH ~ 95%RH (No condensation)                                                                                                        |
|                      | Drop Specification | Multiple 1.2 m drop to concrete at room temperature                                                                                   |
|                      | Sealing            | IP67                                                                                                                                  |

## Data Capture Specifications

### 1) Camera

| Rear Camera |                                |
|-------------|--------------------------------|
| functions   | Flash light, Auto-focus, Video |
| Pixels      | 13MP                           |



#### Front Camera

|        |                 |
|--------|-----------------|
| Pixels | 5MP, Fix-focus, |
|--------|-----------------|

## 2) Scanner Engine

| Spec               | 2D Imager Engine Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scan Angels Tilt   | 360°                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Scan Angels Pitch  | ±60°                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Scan Angels Skew   | ±60°                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Laser safety level | Class 2                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Barcodes support   | Linear: UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post<br>2D Stacked: PDF417, MicroPDF417, GS1 Composite<br>2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin<br>Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code |

## 3) RFID(HF)

| RFID             | HF                                                                                                                                              |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocol         | ISO15693<br>ISO14443: ISO14443 Type A, ISO14443 Type B<br>MIFARE: Mifare S50, Mifare S70, Mifare UltraLight, Mifare Pro, Mifare Desfire, FeliCa |
| Frequency        | 13.56MHz                                                                                                                                        |
| Reading Distance | Read distance 0-6cm (ISO15693), 0-4cm (ISO14443A/B)                                                                                             |

## Network Connections

### 1) Positioning

| Positioning     | Specification                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------|
| Mode            | GPS, A-GPS, BeiDou, GLONASS, Galileo                                                                              |
| Frequency       | GPS ( L1 1.575GHz C/A code) , BeiDou ( B1 1.561GHz) , GLONASS(L1 1.602GHz), Galileo (E1 1.589 GHz / E2 1.561 GHz) |
| Cold start time | Less than 40s                                                                                                     |
| Max channel     | 31 channel                                                                                                        |
| sensitivity     | -130dB(SNR value 40dBHz)                                                                                          |
| Precision       | 5-10 Meters (open space)                                                                                          |

### 2) Wireless LAN

| WLAN     | Specification                                                                                                      |
|----------|--------------------------------------------------------------------------------------------------------------------|
| Protocol | IEEE 802.11a/b/g/n/ac/d/h/i/r/k/v/w/mc/ax ready protocol (2.4G/5G dual band Wi-Fi) ,Wi-Fi 6 Ready(802.11 ax ready) |



|                         |                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------|
| Frequency               | 2.4G、 5G                                                                                                  |
| Security and Encryption | EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, PEAP-TLS, PEAP-GTC, PWD, SIM, AKA<br>WEP, WPA/WPA2-PSK, WAPI , WAPI-PSK |
| Fast roaming            | Support 802.11r fast roaming                                                                              |

### 3) Wireless WAN

| WAN                            | Specification                                                                                                                                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mode                           | Dual SIM Dual Standby                                                                                                                                                                                                                                   |
| Worldwide Radio Frequency Band | 4G/3G/2G:<br>TD-LTE(B34/B38/B39/B40/B41)<br>LTE(B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B19/B20/B25/B26/B28A/B28B/B66)<br>WCDMA(B1/B2/B4/B5/B8)<br>TD-SCDMA(B34/B39)<br>CDMA2000 1x EV-DO Rev.A BC0 (800MHz)<br>CDMA1x<br>GSM/EDGE/GPRS(850/900/1800/1900) |

### 4) Wireless PAN

| BT    | Specification       |
|-------|---------------------|
| Mode  | BT 5.0+BR/EDR+BLE   |
| Range | More than 10 Meters |

### Optional Accessories

| Accessory | Type                                                                                  |
|-----------|---------------------------------------------------------------------------------------|
| Standard  | Type-C cable, QC adaptor                                                              |
| Optional  | Multi-functional Cradle, Hand Strap, Holster, LAN port dock, Forklift bracket, Stylus |