

Mobile  
**X14 Handheld 5G**



Android 14 with  
Octa-Core  
Performance



5G, Wi-Fi 6 and  
Bluetooth 5.1



Professional 1D/2D  
Barcode Scanning



NFC and UHF RFID  
Data Capture



5.72-Inch Full HD  
Touch Display



IP68 Protection and  
1.5 m Drop Resistance

# TECHNICAL DATA

## Physical Parameters

|                     |                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Size                | 162.3 × 78.3 × 21.7mm (L × W × H)                                                                                             |
| Weight              | 275g                                                                                                                          |
| Display             | 5.72 inch IPS screen                                                                                                          |
| Resolution          | 1080 x 2160                                                                                                                   |
| Touch Panel         | Capacitive Touch (support with wet hands or gloved fingertip operating)                                                       |
| Backlight           | LED backlight                                                                                                                 |
| Power               | Removable Li-Ion 5000mAh,3.85V<br>Extended battery 6500mAh,3.85V(optional)<br>Uptime:more than 8 hours,Standby time:300 hours |
| Card Slot           | NanoSIM + NanoSIM/ Micro SD                                                                                                   |
| Communication       | Type-C, support OTG                                                                                                           |
| Physical Keys       | Power, Left scan, Right scan, Vol+, Vol-, User custom key                                                                     |
| Fingerprint         | Support fingerprint unlock (optional)                                                                                         |
| Network Connections | 5G/4G/3G/2G, Wi-Fi6, Bluetooth                                                                                                |
| Notification        | Warning Tone, Multi-color LED, Vibration                                                                                      |
| Audio               | 2 Microphones, 1 for noise cancelation, Loudspeaker and Receiver                                                              |
| Headset             | Support Type-C headset jack                                                                                                   |
| Power Adaptor       | Input: 100-240V; Output: 5V@3A/ 7V@2.1A/ 9V@1.5A / 12V@1.25A                                                                  |
| Camera              | Front camera: 8 MP<br>Rear camera: 16 MP, AF(compatible 48 MP)                                                                |
| Camera Extras       | Rear secondary 2MP (optional); flash LED & flashlight mode                                                                    |

## Performance Parameters

|        |                                                                                    |
|--------|------------------------------------------------------------------------------------|
| CPU    | Octa-core 2.4GHz                                                                   |
| OS     | Android 14/ Android 16 (GMS Certified)                                             |
| Memory | 8GB RAM/128GB ROM,<br>8GB RAM/256GB ROM(optional),<br>6GB RAM/128GB ROM (optional) |

## Working Environment

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Operating Temperature   | -20°C up to 55°C                              |
| Storage Temperature     | -40°C to 70°C                                 |
| Humidity                | 5% up to 95%                                  |
| Drop Specification      | 1.5m drops to the ground                      |
| Tumble Specification    | 0.5 m tumbles; meets IEC tumble specification |
| Vibration               | 60 minutes duration per axis                  |
| Electrostatic Discharge | Air Discharge ±15KV<br>Contact Discharge ±8KV |
| Protection Class        | IP68                                          |

## 1D/2D SPECIFICATIONS

| Barcode Type | 1D:                                                                                                                         | 2D:                                                                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|              | UPC/EAN, Code 128, GSI-128, Code 39, Code 93, Code 11, Interleaved 2 of 5, Codabar, MSI, GSI DataBar and additional formats | PDF417, MicroPDF417, Data Matrix, QR Code, Micro QR, MaxiCode, Aztec and postal codes |

## Wireless Communication

|           |                                                                                                                                      |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|
| WWAN      | GSM 2/3/5/8<br>CDMA BC0<br>WCDMA 1/2/5/8<br>TDD 34/38/39/40/41<br>FDD 1/2/3/5/7/8/20/26/28A&B<br>5G N1/N3/N8/N38/N41/N77/N78/N79/N28 |
| WIFI      | WIFI frequency: 2.4GHz & 5GHz<br>WIFI protocol: IEEE 802.11a/b/g/n/ac/ax<br>Support IEEE 802.11 d/e/h/i/j/k/r/v/w                    |
| GPS       | Support L1+L Dual frequency<br>GPS + Glonass + Beidou/Galileo                                                                        |
| Bluetooth | Bluetooth 5.1                                                                                                                        |

## Internet of Things

|              |                                                                                                                                                                                |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NFC          | Operating frequency: 13.56MHz<br>Support protocol: ISO/IEC 14443A/B ISO/IEC 15693 MIFARE 1K/4K MIFARE DESFire,FeliCa<br>Reading distance: <5cm (depending on the type of card) |
| RFID (UHF)   | Operating frequency:<br>CN: 920-925MHz<br>US: 902-928MHz<br>EU: 865-868MHz<br>Support protocol: ISO18000-6C/EPC C1G2<br>Reading distance:0.8m (depending on the label)         |
| Security SAM | Optional, Supporting ISO7816 Standard                                                                                                                                          |
| Sensor       | Light sensor, distance sensor,<br>Gravity acceleration sensor,<br>Geomagnetic transmission sensor,<br>Gyroscope                                                                |

## SCOPE OF DELIVERY

|                      |                                        |
|----------------------|----------------------------------------|
| Standard Accessories | 15W Power Adapter/USB cable/Battery    |
| Optional Accessories | Charging cradle/Cradle Adapter/Battery |

## CERTIFICATIONS

|                                      |
|--------------------------------------|
| CTA/SRRC/CCC/CE/GMS/MSDS/UN38.3/IP68 |
|--------------------------------------|

## PRODUCT IMAGES



## Available Colors



Orange



Blue



**iDTRONIC GmbH**  
 Ludwig-Reichling-Straße 4, 67059 Ludwigshafen, GERMANY  
 ☎ +49 (0)621 66 900 94-0      ✉ info@idtronic.de  
 🌐 idtronic-group.com