

X14 Handheld HC

RFID PDA

The X14 Handheld HC Terminal combines Android 14 or Android 16, 5G connectivity and Wi-Fi 6 for reliable mobile data processing. Its professional 1D/2D barcode scanner, NFC and optional UHF RFID support efficient data capture, while the 5.72-inch touchscreen enables comfortable operation even with wet hands or gloves. The IP68-rated housing and 1.5-metre drop resistance make the device suitable for demanding applications in logistics and healthcare.



5G



Bluetooth 5.1


Android 14 or
Android 16

1D/2D barcode
scanning engine

13.56 MHz
NFC reader

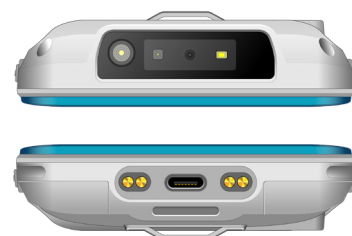

IP68



Wi-Fi 6



GNSS



Physical Parameters

Size	162.3 × 78.3 × 21.7 mm
Weight	275 g
Display	5.72-inch IPS display Resolution: 1080 × 2160 pixels
Touch Panel	Capacitive touchscreen Supports operation with wet hands or gloved fingertips
Backlight	LED backlight
Power	Removable Li-Ion battery: 5,000mAh, 3.85 V Extended battery: 6500mAh, 3.85 V (optional) Operating time: more than 8 hours Standby time: up to 300 hours
Card Slot	2 × Nano-SIM or 1 × Nano-SIM + MicroSD
Communication Interface	USB Type-C Supports OTG
Network Connections	5G / 4G / 3G / 2G, Wi-Fi 6 and Bluetooth
Notification	Warning tone, multi-color LED and vibration
Audio	Microphone, Loudspeaker and Receiver
Physical Keys	Power button Left scan button Right scan button Volume + and volume – buttons Customizable user key
Fingerprint Reader	Optional Supports fingerprint unlocking
Headset Connection	Supports USB Type-C headsets
Power Adapter	Input: 100–240 VAC Output: Output:5V@3A/ 7V@2.1A / 9V@1.5A / 12V@1.25A

Performance Parameters

CPU	Octa-core processor with up to 2.4 GHz
Operating System	Android 14 or Android 16 GMS-certified
Memory	8 GB RAM + 128 GB ROM Optional: 6 GB RAM + 128 GB ROM 8 GB RAM + 256 GB ROM

Working Environment

Operating Temperature	–20 °C to +55 °C
Storage Temperature	–40 °C to +70 °C
Humidity	5% RH to 95% RH, non-condensing
Drop Resistance	1.5 m
Tumble Resistance	200 tumbles from 0.5 m / 1.6 ft Complies with the IEC tumble specification
Vibration Resistance	Random (10-2000Hz) 60 minutes duration per axis, 3 axis
Electrostatic Discharge Protection	Air discharge: ±15 kV Contact discharge: ±8 kV
Dust and Water Resistance	IP68

Data Collection

Scanning Engine	Professional 1D/2D barcode scanning engine
Camera	Front camera: 8 MP Rear camera: 16 MP, AF (compatible 48 MP) Optional secondary rear camera: 2 MP Integrated LED and flashlight mode
Supported 1D Barcode Types	UPC/EAN, Bookland EAN, UCC Coupon Code, ISSN EAN, Code 128, GS1-128, ISBT 128, Code 39, Trioptic Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI, Chinese 2 of 5, Korean 3 of 5, Matrix 2 of 5, Inverse 1D, GS1 DataBar, Composite Codes Additional barcode types supported
Supported 2D Barcode Types	PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, MaxiCode, QR Code, Micro QR, QR Inverse, Aztec, Aztec Inverse, US Postnet, US Planet, UK Postal, Australian Postal, Japan Postal, Netherlands KIX Code, USPS 4CB / OneCode / Intelligent Mail, UPS FICS Postal, Additional barcode types supported

Wireless Communication

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

Internet of Things Functions

NFC	Operating frequency: 13.56 MHz Supported protocols: ISO/IEC 14443A/B, ISO/IEC 15693, MIFARE 1K/4K, MIFARE DESFire and FeliCa Reading distance: < 5 cm
UHF RFID	Europe: 865–868 MHz Supported protocol: ISO/IEC 18000-6C / EPC Class 1 Gen 2 Reading distance: up to 0.8 m, depending on the transponder
Security SAM	Supporting ISO7816 standard, 1 SAM card Slot
Sensors	Light sensor Proximity sensor Acceleration sensor Geomagnetic sensor Gyroscope Temperature sensor (Optional)

Others

Certifications	CTA / SRRC / CCC / CE / GMS / MSDS / Anti-bacterial certified / UN38.3 / IP68
Standard Accessories	15 W power adapter USB cable Battery
Optional Accessories	Charging cradle Cradle adapter Battery

