

Xerafy X-72

Handheld RFID UHF Reader

X72 is an industrial-grade Android mobile computer. With an in-built Zebra scan engine, the device ensures powerful barcode scanning performance that can accurately & quickly read various Symbologies of 1D / 2D barcode labels even if the barcode is dirty or damaged.

In addition, X72 features Android 11 OS, Octa-core processor, 8000mAh powerful battery, 13 MP camera, and optional NFC reading.



Android



4G



WiFi



Bluetooth



UHF



1D Barcode



2D Barcode



IRIS



NFC



Camera



GPS

Physical Characteristics

Dimensions: 164.2 x 80.0 x 24.3 mm / 6.46 x 3.15 x 0.96 in.

Weight: 654 g

Display: 5.2" IPS LTPS 1920 x 1080

Touch Panel: Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported

Expansion Slot: 1 slot for Nano SIM card, 1 slot for Nano SIM or TF card

Interfaces: USB 2.0 Type-C, OTG, Type-C headphones supported

Audio: 1 microphone; 1 speaker; 1 receiver

Keypad: 4 front keys, 1 power key, 2 scan keys, 1 multifunctional key

Sensors: Light sensor, proximity sensor, gravity sensor

Standard: adapter, data cable, etc.

SDK: Software Development Kit

Language and Tool: Java; Eclipse / Android Studio

Performance

CPU	Cortex-A53 2.3 GHz Octa-core
RAM+ROM	3 GB + 32 GB / 4 GB + 64 GB (optional)
Expansion	Supports up to 128 GB Micro SD card
Operating System	Android 11; GMS, FOTA, SafeUEM supported. Committed support for a future upgrade to Android 12, 13, and Android 14 pending feasibility
WWAN	2G: GSM850/GSM900/DCS1800/PCS1900 3G: WCDMA: B1/B2/B4/B5/B8 CDMA2000 EVDO: BC0 TD-SCDMA: A/F 4G: B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B/B34/B38/B39/B40/B41
WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
Bluetooth	Bluetooth 5.0
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna

Power

Battery capacity	Li-ion, rechargeable, 8000 mAh
Standby	over 500 hours
Charging time	3-4 hours (with standard adaptor and USB cable)
Continuous use	over 12 hours (depending on user environment)

User Environment

Operating Temp	-20°C to +50°C
Storage Temp.	-40°C to +70°C
Humidity	-5% RH - 95% RH non condensing
Sealing	IP65 per IEC sealing specifications

Accessories

- **1.Camera :**
 - 13 MP Autofocus with flash
- **2.NFC (Optional):**
 - Frequency-13.56MHz
- **3.Barcode Scanning (Optional):**
 - 1.1D Linear Scanner
 - Engine-Zebra: SE965; Honeywell: N4313
 - 1D Symbologies-UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
 - 2.2D Imager Scanner
 - Engine-Zebra: SE4710 / SE4750 / SE4750MR; Honeywell: N6603
 - 2D 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 (KIX), etc.
- **4.RFID :**
 - UHF
 - Frequency -865-868 MHz / 920-925 MHz / 902-928 MHz
 - Engine -CM710-1 module based on Impinj E710
 - CM2000-1 module based on Impinj Indy R2000
 - Protocol - EPC C1 GEN2 / ISO18000-6C
 - Antenna - Circular polarization (4dBi), linear polarization(1.8dBi)
 - Power -1 W (30 dBm, +5 dBm to +30 dBm adjustable)
 - 2 W Optional (33 dBm, for Latin America, etc.)
 - Max Read Range -Impinj E710 chip:
 - 26m (Impinj MR6 tag, size 70 x 15mm)
 - 28m (Impinj M750 tag, size 70 x 15mm)
 - 30m (Alien H3 Anti-Metal tag, size 130 x 42mm)
 - Impinj R2000 chip:
 - 24m (Impinj MR6 tag, size 70 x 15mm)
 - 24m (Impinj M750 tag, size 70 x 15mm)
 - 28m (Alien H3 Anti-Metal tag, size 130 x 42mm)
 - Fastest Read Rate - 1200+ tags/sec (circular polarization)
- **5.Iris recognition :**
 - recognition time -< 150 ms
 - working distance -20-40cm
 - FAR-1/10000000
 - Protocol - ISO/IEC 19794-6, GB/T 20979-2007