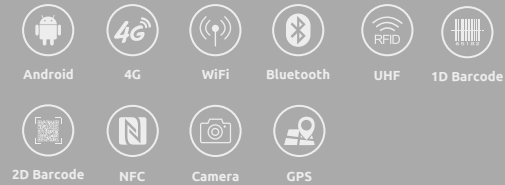


# Handheld RFID Reader EYC72

EYC72 is an Android rugged mobile computer. It features powerful processor, 8000mAh battery and superb UHF RFID capability. It can be equipped with Impinj E710 / R2000 linearly or circularly polarized antenna. That it can read tags in bulk from long distance enables it to be deployed in asset management, retail, warehousing, fleet management and etc.



## product SPECIFICATIONS

### Performance

Android 8.1	
Operating System	Android 8.1; SafeUEM supported
CPU	Cortex-A53 2.5 GHz Octa-core
RAM+ROM	3 GB + 32 GB / 4 GB + 64 GB (optional)
Expansion	Supports up to 128 GB Micro SD card
Android 11	
Operating System	Android 11; GMS, FOTA, SafeUEM supported. Committed support for a future upgrade to Android 12, 13, and Android 14 pending feasibility
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

### Communication

Android 8.1	
WLAN	IEEE802.11 a/b/g/n/ac, 2.4G/5G dual-band, internal antenna
Bluetooth	Bluetooth v2.1+EDR, 3.0+HS, v4.1+HS
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna
WWAN (China)	2G: 900/1800MHz 3G: WCDMA: B1,B8 CDMA2000 EVDO: BC0 TD-SCDMA: B34,B39 4G: B1,B3,B5,B8,B34,B38,B39,B40,B41
WWAN (Overseas)	2G: 850/900/1800/1900 MHz 4G: B1,B2,B3,B4,B5,B7,B8,B12,B17,B20,B25,B40, B66
Android 11	
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
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



### Headquarter

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## Physical Characteristics

Dimensions	164.2 x 80.0 x 24.3 mm / 6.46 x 3.15 x 0.96 in.
Weight	654 g / 23.07 oz.
Display	5.2" IPS LTPS 1920 x 1080
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	<b>Main battery:</b> Li-ion, rechargeable, 8000 mAh <b>Standby:</b> over 500 hours <b>Continuous use:</b> over 12 hours (depending on user environment) <b>Charging time:</b> 3-4 hours (with standard adaptor and USB cable)
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
Sensors	Light sensor, proximity sensor, gravity sensor
Notification	Sound, LED indicator, vibrator
Audio	1 microphone; 1 speaker; receiver
Keypad	4 front keys, 1 power key, 2 scan keys, 1 multifunctional key

## Developing Environment

SDK	Development Kit
Language	Java
Tool	Eclipse / Android Studio

## User Environment

Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5 m / 4.9 ft. drops (at least 20 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5m / 1.64ft. falls at room temperature
Sealing	IP65 / IP67 per IEC sealing specifications
ESD	± 15KV air discharge, ± 6KV conductive discharge

## Data Collection

<b>Camera</b>	
Rear Camera	13MP Autofocus with flash
<b>UHF RFID (optional)</b>	
Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Frequency	865-868 MHz / 920-925 MHz / 902-928 MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Circular polarization (4dBi), linear polarization(1.8dBi)
Power	1 W (+19dBm to +30 dBm adjustable) 2 W Optional (33 dBm, for Latin America, etc.)
Max Read Range	<b>Impinj E710 chip:</b> 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) <b>Impinj R2000 chip:</b> 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)

\* Ranges are measured in the open outdoors and low interference environment, and rate is measured in a laboratory low interference environment, they are affected by tags and environment.

## Barcode Scanning (optional)

<b>1D Linear Scanner</b>	Zebra: SE965; Honeywell: N4313
<b>1D Symbologies</b>	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
<b>2D Imager Scanner</b>	Zebra: SE4710 / SE4750SR / SE4750MR / SE4750DP; Honeywell: N6603
<b>2D Symbologies</b>	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.

## NFC

Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4cm

## Accessories

Standard	AC Adaptor, USB Cable, Lanyard, etc.
Optional	Cradle, Holster, etc.

\* For detailed specification, please check Accessory Guide.