

USB-C / OTG PHONE RFID READERS

U220-C USB-C UHF RFID Reader for Android Phones, 902–928 MHz EPC

The U220-C is a plug-in UHF RFID reader for Android phones and tablets with a USB-C port and OTG. It reads the EPC of ISO 18000-6C tags at 0–5 cm in the 902–928 MHz band and types it, followed by Enter, into any app. It is built for checking one tag at a time, not for bulk inventory.

- UHF on a phone, no SDK — the EPC is typed at the cursor followed by Enter, so a search box or form can act on each read.
- Touch-range reading — a 0–5 cm range suits identifying one tagged item at the point of use.
- ISO 18000-6C (EPC Gen2) tags in the 902–928 MHz band.
- Powered by the host — 5 V, 100 mA from the USB-C port, with no battery to charge.
- Pocket housing — 35 × 35 × 7 mm and about 20 g, the same size as our 13.56MHz and 125kHz phone readers.



General	
Model	U220-C
Frequency	902–928 MHz
Form factor	Plug-in reader with USB-C plug, for phones and tablets
Color	Black or white

Cards & reading	
Standard	ISO 18000-6C
Supported tags	ISO 18000-6C UHF tags (EPC read)
Read/write	Read-only (EPC)
Read range	0–5 cm
Read time	0.2 s
Read interval	0.5 s

Interface & output	
Interface	USB Type-C plug (USB OTG)
Output	Keyboard emulation: EPC typed at the cursor, followed by Enter
Host systems	Android with USB OTG; Windows XP / 7 / 10 through an OTG adapter
App or SDK	None required on Android

Physical & environment	
Power	5 V, 100 mA from the host
Indicator	2-color LED (blue: power, green: status)
Dimensions	35 × 35 × 7 mm (without plug)
Weight	Approx. 20 g
Package	71 × 71 × 19 mm, approx. 50 g packed
Operating temperature	–20 °C to +70 °C

Works with

- ✓ ISO 18000-6C (EPC Gen2) UHF tags and labels in the 902–928 MHz band (EPC read)
- ✓ Android phones and tablets with a USB-C port and USB OTG support
- ✓ Windows XP / 7 / 10 PCs through an OTG adapter

Not designed for

- ✗ Writing EPC, reading TID or user memory — use the U120-U desktop reader/writer
- ✗ Bulk inventory or reading at a distance (range is 0–5 cm)
- ✗ 865–868 MHz operation (only a 902–928 MHz version is listed)
- ✗ 125kHz and 13.56MHz cards — use the L220-C or H220-C
- ✗ iPhone and iPad (iOS not listed) — the U510-B Bluetooth UHF reader lists iOS

OEM / ODM options (confirmed per order)

- ◆ Housing color: black or white
- ◆ A different output string (for example without Enter) or a different UHF band is not a listed option; send the requirement and feasibility is confirmed in your quotation
- ◆ Logo and private-label packaging on request; feasibility and terms confirmed in your quotation

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Specifications describe the standard version and may change without notice. Read range depends on the card or tag, mounting and environment. Pricing, configuration, lead time and terms are confirmed in your quotation.