

UHF RFID DESKTOP READERS

U130-U UHF RFID Desktop Reader/Writer, USB, Glossy Light-Ring Pad

The U130-U is a USB desktop reader/writer for EPC Gen2 (ISO 18000-6C) UHF tags in a glossy black housing with a silver edge and a light ring, made for counters where the reader is in view. It reads up to 0.5 m, writes up to 0.2 m and outputs as a USB keyboard by default.

- Counter-ready finish — glossy black top, silver edge and a light ring in a 104 × 70 × 15 mm housing.
- Tunable read zone — RF output is software adjustable from 12.5 to 26 dBm, so the read zone can be pulled in toward the pad on a busy counter.
- EPC Gen2 read/write — reads ISO 18000-6C tags at up to 0.5 m and writes them at up to 0.2 m.
- Circularly polarized antenna — the built-in 2 dBi antenna is less sensitive to how the tag is turned than a linear antenna.
- Typed output for reading — the default build sends tag data as USB keyboard input; a virtual serial port build is available on request.



General	
Model	U130-U
Product type	UHF RFID desktop reader/writer
Form factor	Glossy desktop pad with light ring
Color	Black with silver edge

Tags & reading	
Frequency	902–928 MHz (US band) or 920–925 MHz (China band); other regional bands on request
Air protocol	ISO 18000-6C / EPC Class 1 Gen 2
Supported tags	EPC Gen2 UHF tags (read and write)
Read range	Up to 0.5 m (depends on RF power, tag and environment)
Write range	Up to 0.2 m (depends on RF power, tag and environment)

Radio	
Antenna	Built-in 2 dBi circularly polarized antenna
RF output power	12.5–26 dBm, software adjustable
Frequency hopping	FHSS or fixed frequency, set by software
Operating modes	Active mode and passive mode; answer mode available but not recommended

Interface & output	
Interface	USB
Default output	Keyboard emulation (USB HID)
Optional build	USB virtual serial port (customized version)
Power	5 V DC from USB

Physical & environment	
Dimensions	104 × 70 × 15 mm
Operating temperature	-20 °C to +55 °C
Storage temperature	-40 °C to +85 °C

Works with

- ✓ ISO 18000-6C / EPC Class 1 Gen 2 UHF cards, labels and tags (read and write)
- ✓ Web forms, spreadsheets and desktop software that accept keyboard input (default build)
- ✓ Software that reads a COM port, with the virtual serial port build (on request)

Not designed for

- × 125 kHz EM4100 cards — the L130-U uses the same glossy housing
- × 13.56 MHz MIFARE and NFC cards — see the H130-U
- × Wireless or battery-powered use — see the U510-B Bluetooth UHF reader
- × Wiegand, RS232 or RS485 connection to a controller (USB only)

OEM / ODM options (confirmed per order)

- ◆ RF output power preset for counter use, anywhere from 12.5 to 26 dBm, on request
- ◆ Virtual serial port build instead of keyboard output, on request
- ◆ Your logo on the glossy top cover and private-label packaging, confirmed in your quotation
- ◆ Band build for your market: 902–928 MHz, 920–925 MHz or another regional band on request
- ◆ Fixed-frequency operation instead of frequency hopping where your project needs it, on request

Henrium · henrium.com · sales@henrium.com

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.