

DeskID UHF v2 RFID Reader/Writer

Art. No.: 22003355 (ETSI) / 22003360 (FCC)

The DeskID UHF v2 is a compact RFID reader/writer working at 868 MHz (ETSI/EU version) or 902 – 928 MHz (FCC/USA version). Its main use is to read and write data to EPC Gen 2 transponders directly from your PC or mobile device. The DeskID UHF is a handy tool for all kind of RFID applications like testing tags, writing an EPC, or just debugging your UHF gate.

The slim, well-designed housing fits on every desktop and is connected to the host using a normal USB-C cable. This is also used to power the device (no separate power supply necessary). Thanks to the new E310 Reader IC from Impinj used in the device, the read range is between 10 and 80 cm, depending on the type of transponder used. You can also read up to 50 transponders simultaneously with the integrated anti-collision mode.

With the help of the ReaderControl 3 software included with the device, supported transponders can be read and written to. Also included with the device are different programming libraries for Java, .NET, and Python, which you can use to write your own applications in a short time without prior knowledge of RFID. Using the easy-to-learn low-level AT protocol you can also connect the device to other systems, e.g. an embedded PC or even a PLC.



- ⦿ Compact Design
- ⦿ USB-C powered
- ⦿ Based on Impinj E310
- ⦿ HID Scan Mode



IMPINJ
CONNECTED

Technical Specification

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|----------------------------|--|
| Operating Principle | Short-Range USB Desktop Reader/Writer for UHF RFID |
| Operating Frequency | 868 MHz (ETSI) / 902 – 928 MHz (FCC) |
| Antenna Connector | integrated circular patch antenna |
| Output Power | 0 – 9 dBm (1 – 8 mW) |
| Read Range | up to 40 cm with typical UHF transponder, up to 80 cm with Impinj M730 |
| Supported Protocols | EPC Class 1 Gen 2 v2 |
| Connectivity | USB-C (virtual COM port or HID) |
| Operating Voltage | 5V DC (via USB) |
| Power Consumption | idle: 50 mA, RF on: max. 350 mA |
| Temperature Range | -20 °C to +70 °C |
| Dimensions | 66 x 96 x 15 mm |

If you are looking for a reader/writer that can be used to work with 13.56 MHz NFC tags, have a look at the DeskID-NFC device.

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About Metrattec

Metrattec is a manufacturer of RF electronics specialized in wireless “Identification” (RFID) and “Localization” (RTLS). We serve a variety of markets from the manufacturing industry and logistics to vending machines and medical devices. Our customers include OEM customers, IoT system integrators and research facilities worldwide.

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