

RFD183

UHF Desktop RFID Reader

**Compact • Plug & Play
High Performance**

Powered by Impinj E310 Chipset
USB Interface | Circular Antenna |
HID & SDK Mode



TYPICAL APPLICATIONS



Retail POS



Document Issuing



Access Control



Workstation Tagging

KEY FEATURES



Plug & Play USB

Easy to install and use



Built-in Circular Antenna

Reliable tag read & encode



HID & SDK Support

Native protocol & keyboard output mode



Adjustable RF Power

Optimized performance for every environment



Online Update & Filtering

Easy maintenance and tag data filtering



Multi-Application Ready

Ideal for various RFID solutions

SPECIFICATIONS

RFID CHARACTERISTICS

| | |
|-------------------|---|
| Air Protocol | ISO/IEC 18000-6C / EPC C1G2 |
| Chipset | Impinj E310 / QM100 |
| Frequency | 902-928 MHz (FCC) 865-868 MHz (ETSI) 920-923 MHz (ID) |
| Output Power | 0-30 dBm ±1 dB |
| Channel Bandwidth | < 200 KHz |
| Reading Range | 0-100 cm (According to Tag & Environment) |
| Writing Range | 0-20 cm (According to Tag & Environment) |
| Working Mode | Fixed / Hop Frequency |

INTERFACE & PHYSICAL

| | |
|------------------------|-----------------------------|
| Communication | USB Type-C |
| Antenna | Integrated Circular Antenna |
| Power Supply | USB Cable |
| Dimensions (L x W x H) | 170 x 120 x 17 mm |
| Weight | 0.25 kg |

ENVIRONMENTAL

| | |
|-----------------------|------------------------------|
| Operating Temperature | -20°C to +70°C |
| Storage Temperature | -40°C to +85°C |
| Humidity | 5-90% non-condensing (+25°C) |