

UHF Desktop Reader Instruction

HYR820

(V1.1)



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Brief Introduction

HYR820 is a USB UHF desktop reader, it's small, ultrathin, portable, can widely be used in logistic, ID, parking, access control, anti-fake system and manufacturer process control, etc

Features

- Support UHF EPC Gen2(ISO18000-6C)、ISO18000-6B protocol
- Advanced tag Collision processing algorithm, high reading speed.
- Frequency Band: 865~868MHz, 902~928MHz
- Working mode: FHSS or fixed frequency
- Output power: maximum 20dBm (adjustable)
- Low power consumption, a single 5V power supply;
- Support response (interactive) working mode and active mode;
- The output format and parameters can be configured in the active working mode
- Support USB interface ;
- Provide DLL, support second development
- Reading hint: Buzzer, LED
- Reading distance:300mm, writing distance:30mm
- Reading style: Master-slave mode (Customizable automatic mode)

Technical Data

| No. | Item | symbol | Mini | Typical | Max | Unit |
|-----|-----------------|--------|------|---------|-----|------|
| 1 | Supply voltage | VCC | 4.5 | 5 | 5.5 | V |
| 2 | Working current | IC | | 150 | 200 | mA |
| 3 | Frequency | FREQ | 902 | | 928 | MHz |
| 4 | Valid distance* | DIS | 0 | 300 | 450 | mm |

* Valid distance depends on protocol format, tag, and environment

Environment Requirement

| No | Item | Technical data | Unit | Remark |
|----|-------------------|----------------|------|------------------|
| 1 | Working temp. | -20~+70 | ℃ | |
| 2 | Storage temp. | -40~+85 | ℃ | |
| 3 | Relative humidity | 5%~95% | RH | Non-condensation |

Appearance and Structure

- Dimension(Length X Width X Height): 129×80×22mm
- Weight: 180g

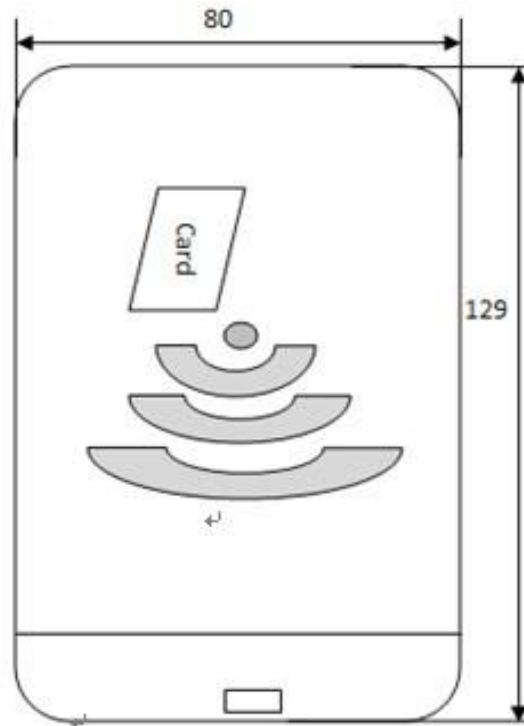


Fig 1 Front view of the desktop reader

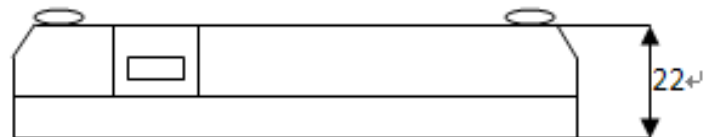


Fig 2 Side view of the desktop reader