UHF High Performance Desktop Reader



Model：ZK3232U-NF(BT+USB)

ZK3232UBT-NF(BT+USB+TCP)

Size：325mmx325mmx20mm

Weight：1850g (please refer to actual configuration)

GENERAL DESCRIPTION

ZK3232U-NF(BT+USB) / ZK3232UBT-NF(BT/USB+TCP/POE) is high performance UHF Desktop Integrated reader. It is designed upon fully self-intellectual property. Based on proprietary efficient digital signal processing algorithm, it supports fast tag read/write operation with high identification rate. Via Type-C USB 3.0 or BT5.1, this reader can interact with Windows, Android, IOS and other devices. It can be widely applied in many RFID application systems such as Jewelry Management, Library / Archive Librarian Workstation, Self-service Kiosk, Retail Logistics, Access Control, Anti-counterfeit and Industrial Production Process Control System, etc.

FEATURES

- Self-intellectual property;
- Based on Impinj E710 design, fully support 18000-6C (EPC CLASS1 G2) protocol tags;
- 840~960MHz frequency band (frequency customization optional);

- FHSS or Fix Frequency transmission, support RSSI;
- RF output power up to 27dbm (adjustable);
- Built-in antenna, typical reading effective distance ＜50cm* / 100~500cm* (various type antenna optional);
- Low power dissipation with Type-C USB 3.0 power supply (POE optional);
- Support Type-C USB3.0 interface (Bluetooth 4.2/5.1 optional);
- Provide DLL and Demonstration Software Source code to facilitate further development.

** Effective distance depends on antenna, tag and working environment.*

CHARACTERISTICS

- Absolute Maximum Rating

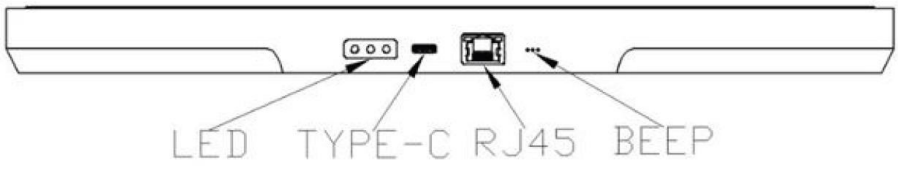
ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	6	V
Operating Temp.	T_{OPR}	-20 ～ +50	℃
Storage Temp.	T_{STR}	-40 ～ +70	℃

- Electrical and Mechanical Specification

Under T_A＝25℃， VCC＝+5V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	4.8	5	5.5	V
Current Dissipation	I_C			2.5	A
Frequency	F_{REQ}	840	860~868 902~928	960	MHz

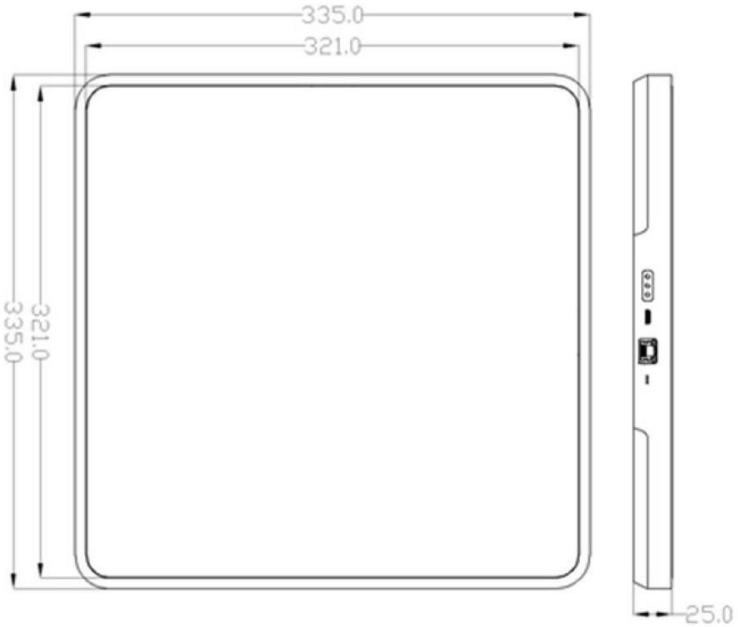
INTERFACE



NAME (from left to right)	ITEM	DESCRIPTION	REMARK
BT	Bluetooth LED	Bluetooth detected indication	BLUE
WORK	Operation LED	Tag detected indication	GREEN

PWR	Power LED	Power on indication	RED
USB INTERFACE	USB	Type-C USB3.0	
BUZZER	BUZZER	Power on indication Tag detected indication	

MECHANICAL DATA (UNIT: mm)



Accessories





Type-C USB3.0 Cable *1pcs

Remark:

1. Specifications are subject to change, please pay attention to our latest one.

2. Shenzhen ZKHY RFID Technology Co., Ltd. reserves the right to the final interpretation of the above terms.