



SCIVAS LIMITED

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RFID Tags & Smart Cards, Precision-Engineered for Global Markets.

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Mobile Phone UHF Reader



Model:	ZK-9KC
Size:	50mm×28mm×9mm(Without interface)
N.W:	10g

GENERAL DESCRIPTION

ZK-9KC is an integrated reader/writer that supports ISO 18000-6C and its compatible protocol electronic tags. It can be directly connected to the Android smart system platform (mobile phone, tablet, etc.) through the USB Type-c interface, and outputs data in a simulated keyboard mode. It can be widely used in RFID application systems such as logistics and warehousing management, smart parking management, and production line management.

Features

- Completely independent intellectual property design
- Support UHF EPC Gen2(ISO18000-6C) protocol tags;
- Working frequency 902~928MHz or 865~868MHz (Optional)
- FHSS or Fix Frequency transmission
- Typical Reading distance 10CM
- Typical Tag Read speed 200ms/tag
- Low power dissipation design, USB interface to get power
- USB HID simulated keyboard interface

CHARACTERISTICS

Absolute Maximum Ratings

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC (USB Powered)	6	V
Operating Temp	T _{OPR}	-10~+60	°C
Storage Temp	T _{STR}	-20~+70	°C

● Electrical and Mechanical Specification

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	4.5	5	5.5	V
Operating Current	I _C		180	380	mA
Operating Frequency*	F _{REQ}	902		928	MHz
Dimensions	L×W×H		50*28*9 (不含接口)		mm

* European standard frequency band 865~868MHz optional

Application Information

1. Usage

After inserting the Reader into an Android system platform such as a Android mobile phone/tablet, The Reader indicator light turns "blue", indicating that the Reader start to read UHF Tag.

Test method: Open the output software of the Android system platform such as a mobile phone/tablet(such as: memo/sms editor, etc.), and bring the tag close to the reader, and the EPC number of tag will be automatically displayed at the cursor with enter key. As below:



2. Notes

The USB Type C interface of Android systems such as mobile phones must have OTG function;

When sensing tags, it is recommended to use the tag facing the reader and approaching it naturally. Do not use the sensing method of quickly swiping the tag from the side, as this does not guarantee successful sensing.