



ELECTRON  
HW-VX6346KL

### UHF Long Range Integrated Reader

HW-VX6346KL is a high performance UHF RFID integrated reader. It is designed upon fully self-intellectual property. Based on proprietary efficient DSP algorithm, it supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, access control, anti-counterfeit and industrial production process control system.

### Parameters

Frequencies (customizable):

- 865-868MHz (EU Standard)
- 902-928MHz (US Standard)

Frequency transmission: Fixed or FHSS

Protocols:

- ISO18000-6B
- ISO18000-6C (EPC G2)

RF output power: Up to 30dBm(adjustable)

Sensitivity: 12dBi linear antenna

Work mode:

- Auto-running / active mode
- Interactive / answer mode
- Trigger-activating / trigger mode

Interface:

- TCP / IP
- RS232
- RS485
- Wiegand

### EPC G2 Tag Operation Function:

Multi tag query, read, write, selection, Single tag read, write, lock, kill.

### ISO18000-6B Tag operation function:

Multi tag query, Single tag read, write, lock, query the lock.



**Reader Dimension:** 445 x 445 x 55 mm

**Package Dimension:** 600 x 500 x 120 mm

**Package Weight:** 5 kg

### Working Parameter Setting:

IP address, Jump Frequency point, output power, reading indication, working mode etc.



Characteristics

Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	9	V
Operating Temp.	T <sub>OPR</sub>	-10~+55	°C
Storage Temp.	T <sub>STR</sub>	-20~+75	°C

Electrical and Mechanical Specification

Under TA = 25°C, VCC = +9V unless specified

ITEM	MIN	TYP	MAX	UNIT
Power Supply (VCC)	8	9	12	V
Current Dissipation (I <sub>C</sub> )		350	650	mA
Frequency (F <sub>REQ</sub> )	865		928	MHz

Interface

Color	Pin Function
Red	+9V
Black	GND
Yellow	Wiegand DATA0
Blue	Wiegand DATA1
Purple	RS485 R+
Orange	RS485 R-
Brown	GND
White	RS232 RXD
Green	RS232 TXD
Grey	Trigger input (TTL level)

