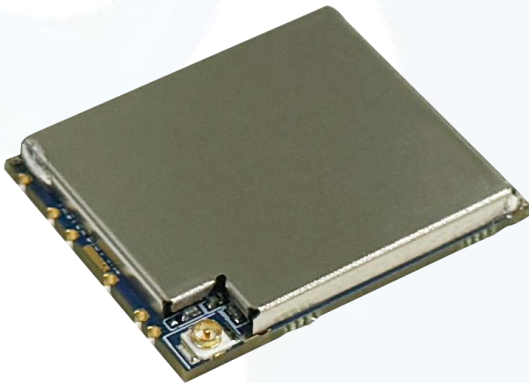


CK-M1LX1

UHF Embedded RFID Module



UHF RF module is a high-performance, highly integrated RFID reader IC that integrates functions such as an analog RF front end and a baseband digital signal processing module. Users only need to provide power and communication interface, through the API function library control module work, while the module provides a rich I/O interface, to achieve peripheral device control. Excellent performance can be suitable for various application scenarios

- Support a variety of protocols: ISO 18000-6C/EPC C1G2, ISO 18000-6B, GB/T29768-2013(extensible support).
- Intensive reading: the maximum output of the port is 26dBm, the power can be set to cope with the intensive use environment, and the multi-label recognition algorithm can identify more than 200 photos per second.
- Can work at fixed frequency or frequency hopping, the output power is adjustable, and the adjustment step is 1dBz.
- Support label data filtering, anti-collision protocols, and multi-label identification.
- Full frequency band, high power, high sensitivity, accurate power, zero configuration can obtain the best performance.
- IPEX antenna port output (or stamp hole)

● Specification

Model	CK-M1LX1
 RF SPECIFICATION	
Identification Method	UHF
Frequency Range	840MHz~960MHz
Protocol	EPC C1G2, ISO 18000-6B, ISO 18000-6C, GB/T29768-2013 (optional)
Frequency Support	GB: 920MHz~925MHz、 GB: 840MHz~845MHz、 FCC: 902MHz~928MHz、 ETSI: 865MHz~868MHz (Optional)
Communication interface	IPEX antenna port output (or stamp hole)
Modulation Mode	DSB-ASK, PR-ASK
RF Interface	1 Changle
RF Interface Power	26dbm±1dbm (Max)
R/W Capability	Read: 0-1000 cm; Write: 0-400 cm, (8dbi antenna test)
Function	RFID read & write, Multiple label identification, Label data filtering, RSSI (For more RFID tag features, please use RFID application software)
 BASIC	
Material	Aluminum profile housing
Power	3.5V 5A 2.2W
Working Humidity	10%RH~90%RH
Operat Temperature	0 °C ~ 60 °C
Size	29 x 24 x 3.2mm
Weight	About 15g

- Interface Definition

GND	Power ground
VCC	Power input (DC3.5-5V)
UART_TXD	UART TTL level (3.3V) Main communication
UART_RXD	UART TTL level (3.3V) Main communication
GPIO-3	GPIO Input/output
GPIO-4	GPIO Input/output
GPIO-1	GPIO Input/output
En	Power enable (default power-on enable, high level enable)
GND	Power ground
USB_DM	USB communication
USB_DP	USB communication
GND	Power ground
GND	Power ground
ANT	Rf output (need to rotate capacitor position)

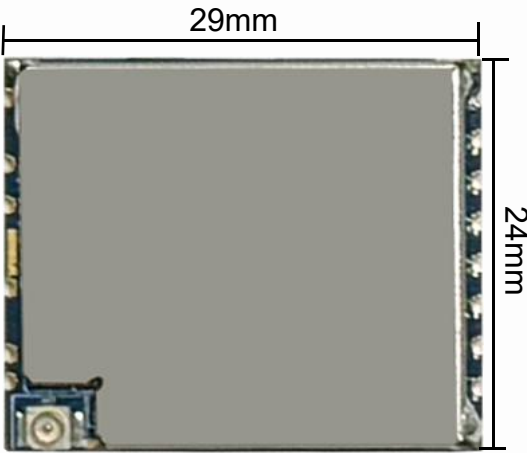
- Related Model

CK-M1LX2

- Common Solution

All RFID Devices, etc.

- Dimension



Unit : mm (inch)
Weight. : about 5g

- Accessory

Serial number	Name	Units	Quantity



RFID IoT Application



Need Advice



Subscribe

Follow us: **Cykeo**



Headquarters

Cykeo Information Technology CO., LTD.
16th floor, Building B2, Yunzhi Science Park, Guangming District,
Shenzhen 518107, China

Factory

Shenzhen, Dongguang, Hefei

Subsidiary

Hefei Jianshen Information Technology Co., LTD.
Cykeo Information Technology(Shandong) Co., LTD.
Cykeo Information Technology(Chengdu) Co., LTD.
Cykeo Core Information Technology (Shanghai) Co., LTD.