



## PRM92x20CE UHF RFID Reader/Writer module

The PRM92x20CE is a UHF RFID Reader module which integrates high performance UHF RFID reader chipset, VC-TCXO, Balun, Coupler, Saw filter, Power amp, Isolator and low pass filter. UHF RFID reader chipset uses PR9200 of PHYCHIPS which integrates 900MHz radio, baseband processor, industry standard enhanced Cortex-M0 MCU, memory (64k Flash & 16k SRAM), internal PA, and many other features.

### Key Features

- PHYCHIPS PR9200 Chipset Embedded
- Stable Output Power
- Low Power Consumption
- Support Single Antenna
- Simple Interface and Support GPIO
- Compliant with EPC Class1 Gen2/ISO 18000-6C



### Applications

PRM92x20CE enables various applications. Here are some of reference applications of PRM92x20CE

FMCG, Pharmaceutical, Retail, Electronics, Asset Management, Animal ID, Library, Aviation Baggage, Access Control, Jewelry, Gaming, Laundry Automation and many more.



# PRM92x20CE

## UHF RFID Reader/Writer module

### Specifications

Reader Chip	: PHYCHIPS PR9200
Air Protocol	: ISO 18000-6C/EPC Gen2
Channel Share	: Frequency Hopping or LBT (Listen-Before-Talk)
Modulation	: DSB-ASK
Encoding	: Miller 2, 4, 8 and FM0
Function	: Read, Write
Supply Voltage	: 3.6V (DC±5%)
TX Power	: 25 dBm typ. (Adjustable by 1dB step) (23 dBm typ. for Japan band)
Interface	: UART, I2C
Read Range	: 2.5 meter @ 25 dBm (Depends on Antenna and Tag)
Size (WxLxH)	: 30mm x 35mm x 3mm
Weight	: 5g

### Product List

Part No	Frequency	Certification
PRM92K20CE	917.10 ~ 923.30MHz (Korea Band) 917.10~ 926.90MHz (US Band) 920.125~924.875MHz (China)	KC, FCC
PRM92E20CE	865.10 ~ 867.90 MHz (EU Band)	CE
PRM92J20CE	920.60 ~ 923.40 MHz (Japan Band)	TELEC

### Developer Kit



● <b>Description</b>	PRM92x20CE Developer Kit
●● <b>Part No</b>	PRM92x20CE-DK10
●●● <b>Contents</b>	PRM92x20CE: 1EA Control Board: 1EA Antenna: 1EA Tag: 1EA FFC Cable: 1EA USB Cable: 1EA S/W USB Memory: 1EA

## PHYCHIPS

### Sales & Technical Supports

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