

## 1-Wire Dual Frequency UID Reader

FL20S is 125KHz EM & 13.56MHz Mifare UID Reader with 1-Wire and RS232 interface, designed to integrate with vehicle trackers and the other controllers.

With 10~48VDC power input, it's convenient to install the reader in different vehicles. It aims to offer more flexibility to build solutions at affordable cost, can be used alternatively for iButton and get your solution working with low cost RFID cards.



### Specifications:

Frequency	125KHz & 13.56MHz
Card Type	125KHz EM compatible & 13.56MHz ISO 14443A Mifare, DESFire, Ultralight
Output Interface	1-Wire & RS232
Power Input	10 ~ 48 VDC
Current Consumption	about 30 mA @12VDC
Audio Indication	LED & Buzzer
Dimension	82.6 x 47 x 17 mm
Working Temperature	-20 ~ 70 Deg C
Storage Temperature	-30 ~ 80 Deg C
Operating Humidity	10% ~ 90%

\* Specification is subject to change without notice.

### Pin Assignment:

Red	VCC: Power input: 10~48 VDC
Black	GND: Power Ground
Blue	<b>1-Wire Data In/Out</b>
Purple	<b>To next 1-Wire Device</b>
White	RS232 TX
Yellow	RS232 RX

### Features:

- Frequency: 125KHz & 13.56MHz
- Read UID of 125KHz EM compatible and 13.56MHz ISO 14443A Mifare, DESFire, Ultralight card
- Support data output interface: 1-Wire, RS232
- Support the other 1-Wire input interface
- Available to install on metal surface
- Available to install in different vehicles
- Water Resistant

### Ordering information:

- FL20S-00 125KHz & 13.56MHz Reader
- FL20S-50 125KHz Reader

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