

MR2S and MF7S are MIFARE® compatible UID readers with 1-Wire and RS232 interface, designed to integrate with vehicle trackers and other controllers.

10-48VDC power input makes it simple to install the reader in different vehicles / applications. It also offers the ability to build more flexible and affordable solutions.

Can be used as an alternative to iButton allowing your solution to work with low-cost 13.56MHz cards.

Features

- Read UID of 13.56MHz cards
- Supports 1-Wire and RS232 interface
- Supports 1-Wire pass-thru to link/network multiple 1-Wire devices)
- Can install on metal surface
- Water resistant

Card Compatibility

- ISO 14443A MIFARE
- MIFARE DESFire®
- MIFARE Ultralight®

Applications

- Vehicle Tracking
- Identification
- Access Control
- Security



Pin Assignment

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

Ordering Information

- MF7S - 1-Wire & RS232 - Flush Mount
- MR2S - 1-Wire & RS232 - Surface Mount

What is 1-Wire?

1-Wire is a device communications system that provides data signaling, and power over a single wire. A system/network of readers, sensors and actuators can be built by wiring together multiple 1-Wire devices. Each 1-Wire device contains all of the logic needed to operate on the 1-Wire bus.

1-Wire devices can also be interfaced directly to microcontrollers from various vendors.

Interface	1-Wire & RS232
Power	10 - 48 VDC consumption about 30mA @ 12VDC
Dimensions	42 x 77 x 15mm (W x H x D)
Indication	Internal LED and Buzzer
Frequency	13.56MHz
Supported Card Types	ISO 14443A MIFARE™ MIFARE Ultralight® MIFARE DESFire®
Environment	Storage Temperature: -30°C ~ 80°C Operating Temperature: 0°C ~ +55°C Operating Relative Humidity: 10~90%