



Wavetrend's RX50 Solo is our most compact Active RFID Reader and is suitable for applications that require RS232 serial or USB host computer connectivity. Its small size and low power consumption make it the ideal choice for adding Active RFID reading capability to telematics systems.

# COMPACT READER RX50 SOLO



## Key Features

**Compact size**

**Compatibility**

**Flexible host connectivity**

**Comprehensive Tag data and Reader status information available**

**Configurable site code and signal strength filters**

**Supports a range of Antennas**

**Long read range**

**Flexible configuration**

**High performance receiver**

**Power options**

## Benefits

Ideal for installation into small spaces or integration into 3rd party hardware

Detects and decodes RFID signals from all of Wavetrend's range of Active RFID Tags

Sends decoded Tag and associated metadata to a host computer via RS232 or USB Interfaces

Enables management of tagged items and the automation of business decisions based on accurate / real-time knowledge of location

Provides control over Tags being read

Compatible with both directly connected and cabled Antennas

Can detect Wavetrend Active RFID Tags up to 150m, subject to the appropriate Antenna being fitted and installation/environment conditions

Can be dynamically configured over serial and USB interfaces

Features adaptive gain and maintains Tag reads in noisy backgrounds

Can be powered either directly or via USB or via external power when using RS232



People Tracking & Management



People Safety



Time & Attendance / Access Control



Asset Tracking & Management



Supply Chain, Vehicle & Contents Tracking



Art Protection

# COMPACT READER RX50 SOLO



## Specifications

### Environmental

Operating temperature  
Storage temperature  
Humidity

-20°C to +50°C  
-30°C to +60°C  
5% to 90% (non-condensing)

### Physical

Size  
Weight  
Colour  
Material

55mm x 50mm x 28mm  
80g  
Grey  
Aluminium

### Radio

Receive frequency  
Read range

433.92 MHz  
Up to 150m (actual range is determined by the choice of Antenna used with Reader and the usage environment)

### RF Input

50 Ohm SMA Female

### Electrical

Supply voltage  
Maximum current consumption  
Power socket

5V-15V DC via power socket  
9mA  
DC socket suitable for 5.5mm outer diameter, 2.5mm inner diameter, barrel plug with centre positive

### Connectivity

Standard data rate  
Interface

9,600 - 115,200 bps  
DB9 RS232 and USB Mini-B

### Certification

CE and FCC - can be deployed in all countries that recognise these regulatory frameworks

## To order or for further information ....



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