

URD Reader External antenna

Vehicle identification with electronic passive tag

UHF : ETSI (866 MHz) - FCC (915 MHz)

Multiple Vehicles lanes

Up to 4 antennas



TeleTag

Identification & Security

▶ Automatic Vehicle Identification

The URD reader enables the best performances of vehicles identification applications in static or dynamic situations. (cars, trucks etc.)



Up to 4 antennas can be connected to the URD reader. With a unique reader, you can read up to 4 vehicles at the same time.

This UHF solution for vehicle identification is the cheapest and most performant on the market.

▶▶ Benefits

Controlled costs

The URD reader is one of the cheapest solutions of vehicle identification in the market with a unrivalled price/performance ratio: only 1 reader with four antennas connected meets the same requirements of 4 separate readers solution!

Both the TeleTag® and the «Vehicle Metal Tag» are very innovative (patented): They have a virtually unlimited lifetime and regular performances as they operate without battery.

Easy installation

The reader is easy to adapt to an existing configuration. It does not require any electronic tuning for a quick and simple setup.

Integration

The system is immediately compatible with existing access control systems with standard communication interfaces and protocols (Data/Clock, Wiegand).

Resistance

Materials and design are made for demanding outdoor use.

Specifications

- ▶ **Reading distance**:**
 - ▶ Vehicle Metal Tag : up to 10 m
 - ▶ TeleTag® : up to 7 m
- ▶ **Communication interfaces:** TTL
- ▶ **Protocols:** Clock/Data - Wiegand
- ▶ 1 to 4 channels: (RS232/RS485: optional)
- ▶ **Power supply:** Typ. 12V DC (9V - 15V DC)
- ▶ **Protection:** IP 66
- ▶ **Frequency:** ETSI: 866 MHz / FCC: 915 MHz
- ▶ **Norm:** ETSI 302-208; FCC
- ▶ **Mode:** Read-only
- ▶ **Chips:** ISO18000-6 (unique ID)
EPC Gen2 (programmable)

® **Kimaldi**

URD Reader External Antenna(s)

Vehicle identification with passive tag



UHF : ETSI (866 MHz) - FCC (915 MHz)

Applications

- Vehicle access control
- Car park, fleet management

Specifications - Reader

Operating Frequency:

ETSI: 866 MHz / FCC: 915 MHz

Mode:

Read only

Reading distance**:

TeleTag® : up to 7m - Vehicle Metal Tag : up to 10m

Anticollision:

Recommendation : 4 tags max (can be deactivated)

Communication interfaces:

TTL - Reading of the unique serial number (UID) with Data/Clock or Wiegand protocols (2b, c3c, 3i, 3R, 3S) + Filtering function - (RS232 optional)

Input(s) available to manage the reader activation

Power supply:

Typ. 12V DC (9V to 15V DC)

Consumption:

1,5 - 2,2 mA (Typ - 1,8A / 12V)

Materials:

Casing: ABS

Dim. 340 x 290 x 129 mm

Connections:

Power + Data : 2 x PG7 + screw terminal

Operating Temperatures:

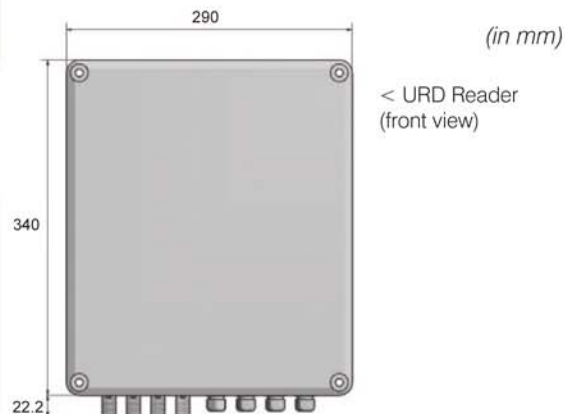
- 20°C to + 70°C - Indoor / Outdoor usage

Protection:

IP66 / IK07



Dimensions



(in mm)

< URD Reader
(front view)



< URD Reader
(bottom view)



URD reader antenna
(front view)

URD reader antenna
(side view)

Tags



(patented)

Windscreen Tag - TeleTag®

- 100% passive Tag
(no battery)

Options :

- Serigraphy
- Serial number
- Seal

Ref. ISO 18000-6B : TLF-W22M-943_S
Ref. EPC Gen2 : TLF-W36M-943_S

Vehicle Metal Tag

- 100% passive Tag
(no battery)
- Works on any support

Ref. ISO 18000-6B :
TML-W22M-1261
Ref. EPC Gen2 :
TML-W36M-1261



Specifications - Antenna(s)

Remote antennas

Remote circular UHF antenna (ANT_URD)

ABS casing

Dim. 306 x 296 x 81 mm

Max distance : 3 m or 9 m cable supplied.



Part number: ETSI URD Reader

URD reader - 1 antenna :	URD-R41-A/U05-xx/3
URD reader - 2 antennas :	URD-R41-B/U05-xx/3
URD reader - 3 antennas :	URD-R41-C/U05-xx/3
URD reader - 4 antennas :	URD-R41-D/U05-xx/3

Part number: FCC URD Reader

URD reader - 1 antenna :	URD-R51-A/U05-xx/3
URD reader - 2 antennas :	URD-R51-B/U05-xx/3
URD reader - 3 antennas :	URD-R51-C/U05-xx/3
URD reader - 4 antennas :	URD-R51-D/U05-xx/3

**Caution: information on reading distances depend on local installation conditions, the transponder size, the vehicle positioning, the antenna configuration and the power supply specifications. External perturbation can cause a reduction in reading distances.

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