

New middle-range version



Identification & Security

▶ Vehicle Access Control

» Installation of a passive tag without battery in the vehicle, stuck to the windscreen [patent pending]



» Tag detection and identification up to several meters via the UHF reader antenna



» Tag ID transmitted to the control system to grant access to the vehicle



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▶▶ Benefits

Best price/performance ratio

With its optimal electronics, UR-One is design to provide best value for middle range vehicle identification configurations up to 4 meters (in open field with STid UHF tags).

STid UHF tags have a virtually unlimited life span and regular performances as they operate without battery.

Easy installation

Installing UHF UR-One Reader does not require any electronic adjustment for a very easy and quick setup.

Integration

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

Resistance

The materials and the waterproof casing are made for demanding outdoor use.

Characteristics

- ▶ **Reading distance** :**
 - ▶ TeleTag®/ Metal tag: up to 4 m
- ▶ **Communication interface:** TTL (RS232/485 optional)
- ▶ **Protocols :** Clock/Data - Wiegand
- ▶ **Power supply:** Typ. 12V DC (9V to 15V DC)
- ▶ **Protection :** IP 66
- ▶ **Frequency :** UHF (866 MHz; 915 MHz)
- ▶ **Norm :** ETSI 302-208; FCC
- ▶ **Mode :** Read only
- ▶ **Chip :** EPC Gen2 (programmable)

UR1 UHF Reader

one Vehicle identification

866- 915 MHz



Applications

- Vehicle access control
- Car park, fleet management

Specifications - Reader

Operating frequency:

UHF (866 MHz; 915 MHz)

Mode:

Read only with integrated antenna

Reading distance**:

TeleTag®; STid UHF metal tag: up to 4 m

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,3c, 3i, 3R, 3S) + Filtering function (RS232 interface optional)

Power supply:

Typ. 12V DC (9V à 15V DC)

Power requirement:

600 mA Typ/12V

Materials:

ABS casing

Dim. 306 x 296 x 81 mm

Connections:

Power + Data : 2 x PG7 + screw terminal

Operating temperatures:

- 20°C to + 55°C - Indoor / Outdoor usage

Protection:

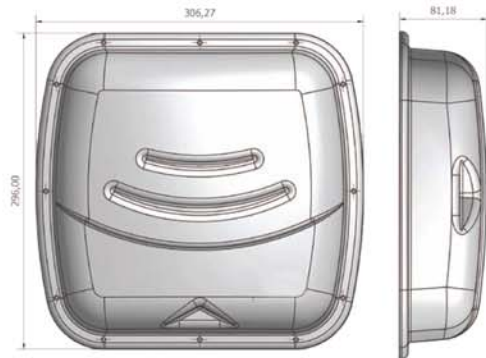
IP66 / IK07

UR1
one



Dimensions

(in mm)



(patent pending)

Windscreen Tag - TeleTag®

- 100% passive Tag (no battery)

Options:

- Serigraphy
- Serial number
- Seal

Ref. TLT-W36M-943S

Vehicle Metal Tag

- 100% passive Tag (no battery)

- Metal surfaces identification

Ref. TML-W36M-1261S



Item Code:

UROne Reader ETSI version: UR1-R41-C/U05-XX

UROne Reader FCC version: UR1-R51-C/U05-XX

****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.



Orientable mounting kit in option

Ref. KFX-UHF-01

Contactless Identification

Kimaldi

www.kimaldi.com