

URC UHF Reader

Long-range mono-antenna reader



Automatic Vehicle Identification with passive tags (AVI)



STid has developed an innovative range of RFID readers and passive identifiers for automatic vehicle identification. This wide range provides outstanding performances for the identification of static and moving vehicles at a great distance (up to 10m / 33 feet). The performances of STid's identifiers and URC reader enable a wide range of applications for vehicle identification: parking access control system for static or moving vehicles (free-flow), automated systems of vehicle authorization, fleet management, etc.

► Performance & Reliability

High performance mono-antenna reader : the URC reader can identify a vehicle at up to 7 m in open field with the TeleTag® and up to 10 m with the all-purpose tag (TML). Both the TeleTag® and the TML are very innovative (patented): They have a virtually unlimited lifetime and regular performances as they operate without battery.



For more security and enhanced usability, a wide range of services and options are available:
windscreen mounting kit for TeleTag®, serigraphy, sequential or physical printing, self-destructible option etc.

► Easy installation and integration

The reader is easy to adapt to an existing configuration. It does not require any electronic tuning for a quick and simple setup. Protocol is configurable by card (TTL/RS232/RS485). The system is immediately compatible with existing access control systems with standard communication interfaces and protocols (Data/Clock, Wiegand).



Examples of configuration with 1 URC reader and stid identifiers:
Identification of one lane of vehicles.



Whatever the type of vehicle identified, the wide range of STid identifiers provides the best reading performances (car, trucks etc.)



► Resistance

Materials and design are made for outdoor use.

UHF reader - URC

Long-range Automatic Vehicle Identification (AVI)



Specifications

Operating frequency/standards	UHF - ETSI version: 866 MHz or FCC version: 915 MHz
Chip compatibility	EPC1 Gen 2 / ISO18000-6C
Functions	Read only (Read/write versions available, contact-us)
Antenna(s)	1 internal antenna
Reading distances*	TeleTag®: up to 7 m - Vehicle Metal Tag: up to 10 m
Anticollision system	Yes (4 tags max)
Communication interfaces	- TTL - ISO2 (Data Clock) or Wiegand protocols - RS232 - RS485 (New communication interfaces available: TCP-IP, USB, Wifi)
Inputs / Outputs	I/O to manage the reader activation (ground loop), external traffic lights control
Power requirement	800 mA/12V
Power supply	Typical 12 VDC (9 to 15 VDC)
Material	ABS
Dimensions	306 x 296 x 81 mm
Operating temperatures	- 20°C to + 55°C - Inside / outside use
Resistance	IP 66 / IK07
Mounting	Orientable mounting kit in option (KFX-UHF-01)
Part number	Read only ETSI: URC-R4▶-E/U04-xx Read only FCC: URC-R5▶-E/U04-xx ▶ : TTL: 1 - RS232: 2 - RS485: 3 Contact us for other versions

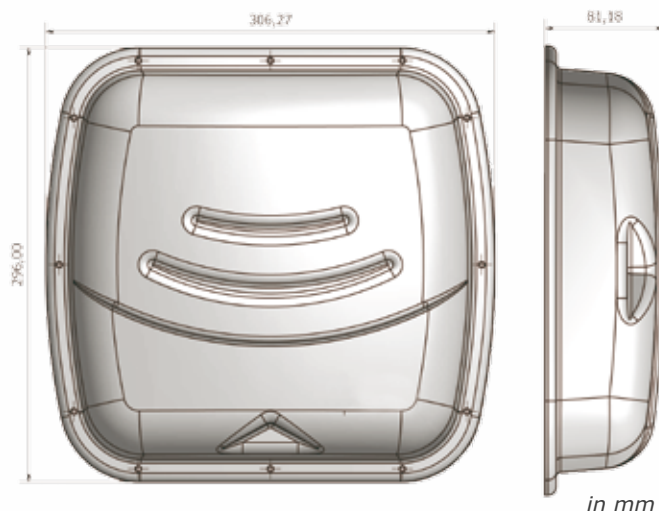
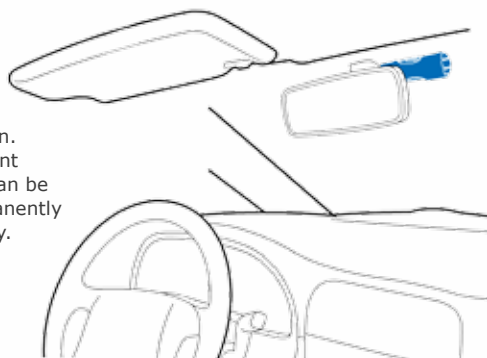


*Caution: Informations about the distance of communication: measured from the centre of the antenna, depending on the type of identifier, size of the identifier, operating environment of the reader, power supply voltage.

Different communication interfaces available:



Teletag® has been designed to be installed especially behind the windscreen. Thanks to its intelligent mounting system it can be installed either permanently or in a removable way.



in mm

Approved STid reseller

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