

WINDOW TAG ULTIMATE

| long-range vehicle identification tag



KEY FEATURES:

- Vehicle identification up to 10 meters [33 ft.]
- Supports AES128 encrypted tag authentication
- Compact housing which suits vehicle interior
- Easy windshield mounting with suction pads
- User activated transmission of the vehicle ID
- Uses two RFID frequencies for optimized performance
- Compatible with previous TRANSIT readers

NOTE: The advanced tag authentication of the Window Tag Ultimate is only functional when the Security Key Pack has been installed in the TRANSIT Ultimate.

The Window Tag Ultimate is a long-range identification tag used in applications where vehicles need to be identified secure, fast and convenient.

The Window Tag Ultimate will be identified up to 10 meters [33 feet] by the TRANSIT Ultimate reader as soon as it enters the reading zone. The Window Tag Ultimate is designed to complement the interior of a passenger vehicle. Integrated suction pads with industrial strength install the tag in seconds to the inside of a windscreen.

Read-only

The Window Tag Ultimate is read-only factory programmed with a unique customer specific security code, a customer defined tag ID number and unique AES128 authentication encryption keys. The part number, tag ID number and date of manufacture are laser etched into the back case of the tag.

Manual user activation

The Window Tag Ultimate has a switch for user activation, designed for applications where the driver determines the time and distance of reading and driver authorization is important. The Window Tag Ultimate will only transmit the tag ID to the TRANSIT Ultimate reader for 5 seconds when the switch is activated.

Two frequencies

The Window Tag Ultimate uses the 2,45 GHz for robust vehicle identification and the 433 MHz frequency for advanced tag authentication using AES standards.

Applications

The Window Tag Ultimate is the preferred choice for installations where only vehicle identification is required, such as access to parking facilities, gated communities and corporate sites.

*PRELIMINARY

SPECIFICATIONS

Technical information	Window Tag Ultimate
Part number	9564314 Window Tag Ultimate
Operating frequency	2.45 GHz and 433 MHz (integrated antennas)
Frequency channels	433.62 & 434.22 MHz (RX-Cat 3) Ton <5sec.
Dimensions	111 x 65 x 28 mm [4.37 x 2.56 x 1.10 in]
Weight	120 gram [4.2 oz]
Protection	IP32 [approx. NEMA2]
Color	Anthracite, according to RAL 7016
Operating temperature	-40 ... +85°C [-40... +185°F]
Storage temperature	-40 ... +85°C [-40 ... +185°F]
Detection range	10 meters [33 ft] with TRANSIT Ultimate; message acceptance ratio > 80%
Humidity	10% ... 93% relative humidity, non condensing
Mounting	Attaches with suction pads to the windscreen on the inside of a vehicle. In case of a metalized windscreen a metal free communication zone can be used.
Certification	EN60950, EMC 2014/ 30/ EC; EN301489-1,-3,-17; EN61000-6-2; EN61000-6-3; FCC Part 15; RSS-Gen; RSS-210; UL294 6th edition
Battery life	User replaceable AAA batteries with expected life-time of 5 years*. 2.6V < Vbat < 3.3V max. 19mA; Battery low beeper when Vbat < 2.6V
Note	*Life time expectation is based on: Average warm climate conditions. Exposure to extreme hot conditions might reduce battery life.
Operating mode	RO-C = Read Only push button activation (default)
Identification	Read/only decimal number
Air interface 433MHz	AES128 encryption with diversified keys; 300kbps/ GFSK 75 kHz Duty cycle < 1%; LBT not applicable
Readers	9215689 TRANSIT Ultimate 9216537 Security Key Pack
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