TRANSIT Standard Reader - Long Range Vehicle Identification
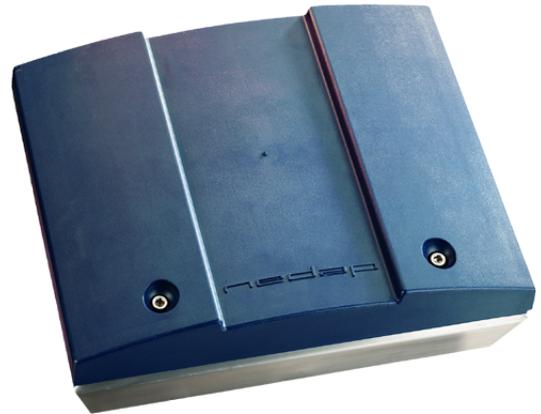
PRODUCT DESCRIPTION

The TRANSIT Standard reader is a compact long-range vehicle identification system. It is capable of reading vehicle identification tags at distances of up to 10 metres while vehicles are travelling at speeds of up to 125 mph. The proven microwave frequency technology provides fast and reliable identification.

Due to its long read range, the reader can be installed out of the reach of potential vandals. The identification zone of the reader is created via a directed beam offering a precise detection area.

The TRANSIT Standard can be combined with a simple standalone controller, providing a user-friendly interface to a barrier or gate; or integrated seamlessly into the Norpass3 access control system. It may also be used for parking management, traffic control, etc.

The hands-free option of the TRANSIT Standard means that users don't need to stop or interact with the reader. This is particularly useful in applications where fast processing is required to avoid queuing and congestion.

FEATURES

- Compact design
- Read range of up to 10 metres
- Identification speed of up to 125 mph
- Well defined, adjustable detection zone
- Multi-channel frequency offset (where more than 1 reader is required on the same site)
- Easy Installation
- Tags can be programmed to customers' requirements
- Tag Identification in any orientation
- A choice of Wiegand and Clock & Data formats available.
- Auxiliary input and output
- A choice of tag styles available to suit the application

APPLICATIONS

- Staff Car Parks
- Priority Vehicle Control
- Industrial Site Access Control
- Fleet Management
- Parking Management
- Tolling Systems
- Distribution Centres
- Bus Lane Control
- Taxi-feeder Systems
- Vehicle Access Control

Compact Tags

Credit card size. Identification up to 7 metres. Dual side read capability. Optional Tag Holder for windshield mounting.

Booster

Long range ID driver up to 10 metres for a single card solution. Supports HID prox, EM, Nedap, MIFARE, HID iClass and LEGIC credentials. Simultaneous driver & vehicle ID.

Window Button

Long range single ID tag. Identification up to 10 metres. Suits interior of a passenger vehicle. Easy windshield mounting with suction pad. Automatic transmission of vehicle ID.

Window Button Switch

Long range single ID tag. Identification up to 10 metres. Suits interior of a passenger vehicle. Easy windshield mounting with suction pad. User activated transmission of vehicle ID.
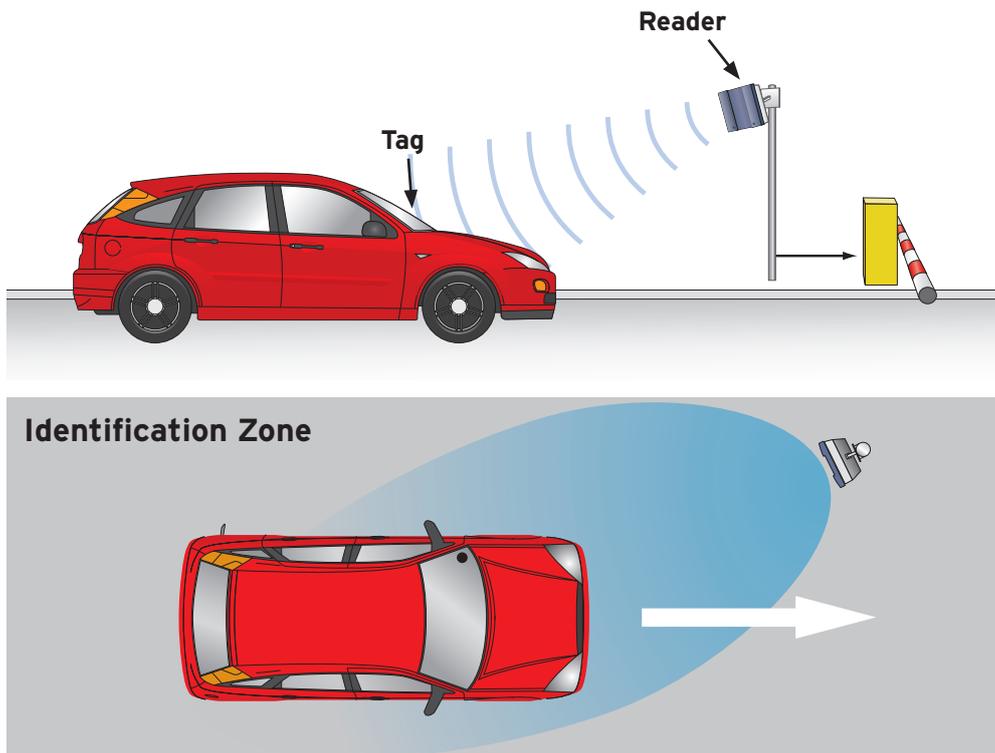
Heavy Duty Tag ISO

Durable, weatherproof RFID tag suitable for applications requiring reliable long range identification in harsh environmental conditions. Ideal for ID of trucks, trailers, containers and fork lifts. Identification up to 10 metres.

TRANSIT Standard Reader - Long Range Vehicle Identification

TECHNICAL DETAILS

Reader

Tag

Identification Zone

SPECIFICATIONS

TRS01 - TRANSIT Standard

Read Range:	up to 10m
Dimensions:	310 x 250 x 100mm
Weight:	5Kg
Housing:	Stainless steel housing with ABS cover
Operating Temperatures:	-30 to +60°C
Protection Level:	IP65 (approx NEMA4x)
Power Supply:	230 VAC, 100mA or 22 to 30 VDC, max 1A
Frequency:	2.446 to 2.454 GHz
Frequency offset:	138 channels. Channel spacing 600 kHz.
Polarisation:	Circular
Air Interface:	NEDAP Proprietary Encryption Standard
Tag Identification Speed:	125 mph
Range check:	Acoustic by built-in beeper
Input:	1 dry contact or TTL
Output:	Various Wiegand or Clock & Data
Relay Output:	1 x (NO, Common, NC) 24VDC 2A, 120VAC 1A,
Mounting:	Wall Mounted set included. Optional Pole mount Kit.

Window Button and Window Button Switch

Dimensions:	76mm Diameter
Operating Temperature:	-40 to +85°C
IP Rating:	IP32

Compact Tag

Dimensions:	85.5 x 54 x 4.9mm
Operating Temperature:	-40 to +85°C
IP Rating:	IP54

Heavy Duty Tag

Dimensions:	170 x 60 x 20mm
Operating Temperature:	-40 to +85°C
IP Rating:	IP66

Booster Tags

Dimensions:	116 x 72 x 27mm
Operating Temperature:	-40 to +85°C
IP Rating:	IP32

ORDERING INFORMATION

9990410	TRANSIT Standard	9948546	Prox-Booster 2G (single id)
5626595	Pole Mounting kit TRANSIT	9948554	Smartcard-Booster 2G
7562640	Weather Protection Hood	9948562	Transition-Booster 2G
9875840	Adjustable mounting bracket	9891900	Compact Tag
7816650	Multi Technology Reader (MTR) module	9882650	Window Button R/O
7800150	Squelsh Upgrade Board	9882480	Window Button switch (push button activation)
9948538	Prox-Booster 2G	9875980	Heavy Duty Tag ISO