TRANSIT Booster - Long-Range Vehicle & Driver Identification Tag

Product Description

The Transit Booster is a vehicle and driver identification tag. This patented solution ensures that a vehicle can only get access to a secured area when driven by an authorised driver. The Booster is used in combination with (existing) personal access credentials. Based on semi active RFID technology, the Booster is identified up to 10 metres with the TRANSIT Ultimate or TRANSIT Standard reader. Typical applications include highly secured vehicle access at airports, seaports, military bases, unmanned gate houses, logistic and distribution centres, utility companies, corporate and educational campuses, police, fire and other installations where vehicles must be assigned to specific drivers.

There are three types of Booster to accommodate the different technologies used in the personal access credential. The Prox booster supports EM4200 or compatible cards, HID-PROX up to 40 bits together with Nedap Prox cards. The Smartcard Booster supports MIFARE Classic. MIFARE Ultralight, MIFARE DESFire (EV1), ISO 14443-3A CSN, ISO 15693 UID (LEGIC Advant), HID iCLASS CSN and Calypso PUPI. There is a separate LEGIC Booster for LEGIC Prime, and LEGIC Advant.

Features

- Simultaneous vehicle and driver identification
- Identification up to 10 metres
- Patented dual identification solution
- Supported credentials: HID prox, EM, Nedap, MIFARE (DESFire), LEGIC Prime, LEGIC Advant, HID iClass and Calypso
- Easy mounting to vehicle's windscreen

Application

- **Driver based identification -** this solution consists of two elements: a building access card and an in-vehicle Booster. The Booster is mounted on the inside of a vehicle's windscreen. When an authorised building access card (driver ID) is inserted into the Booster, it is read, combined with the vehicle ID, and then boosted to the TRANSIT reader. The TRANSIT transmits the combined ID numbers to any access control system. If this combination is authorised, access is granted and the gate opens automatically.
- **Building access -** By removing the access card from the Booster, it can be used for building access. The Booster solution eliminates the need to issue (new) cards, making it easily integrable into existing installations. As the solution operates only when the access card and the Booster are combined, removal of the access card ensures a high level of security.
- **Windscreen mounting -** As the Booster is equipped with suction pads on the backside, it can be mounted onto the windscreen easily. Thanks to this convenient design, installing the Booster only takes seconds.

Specifications

Dimensions:	111 x 65 x 28 mm
Colour:	RAL 7016 (housing), RAL 7035 (edge)
Weight:	110 g
Protection class:	IP32
Material:	PC and TPU
Operating temp.:	-40 to +85°C
Storage temp.:	-40 to +85°C
Relative humidity:	10% to 93% relative humidity, non-condensing
Read range:	10 metres with TRANSIT Ultimate or TRANSIT Standard
Operating freq.:	12.45 GHz / 120 kHz / 13.56 MHz
Operating modes:	RO-C = read-only, switch button activation RO-A = read-only, always on (not available for Prox-Booster 2G Single ID)
Supported Cards:	Smartcard Booster (13.56 MHz cards): MIFARE Classic, MIFARE Ultralight, MIFARE DESFire (EV1) ISO 14443-3A CSN, ISO 15693 UID (LEGIC Advant), HID iCLASS CSN, Calypso PUPI and free files Prox Booster (120-125 kHz cards): Nedap, EM4200 or compatible, HID-PROX up to 40 bits (HID Interface Board required in TRANSIT reader) LEGIC Booster:, LEGIC Prime, LEGIC Advant, ISO14443-A/B CSN
Air interface:	Nedap proprietary encoding standard
Battery:	User replaceable alkaline AAA batteries (x2) with expected lifetime of 5 years. Life time expectation is based on: Average warm climate conditions (exposure to extreme hot conditions might reduce battery life) and default operating mode C.
Mounting:	Attaches with a suction pad to the inside of all normal windscreens*.
Opt. accessories:	Configuration kit for Smartcard-Booster LEGIC 9964029 LEGIC Master Token Set

*For mounting on metalised windscreen, please contact Nortech.

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Operational Details

The Booster can be configured to send only the driver's identity (personal access credential) or both the driver's identity and the vehicle identity (Booster ID) according to the application. **Note:** for the Prox Booster, this is not user configurable - a specific (single ID) version must be ordered for driver ID only applications (see ordering data).

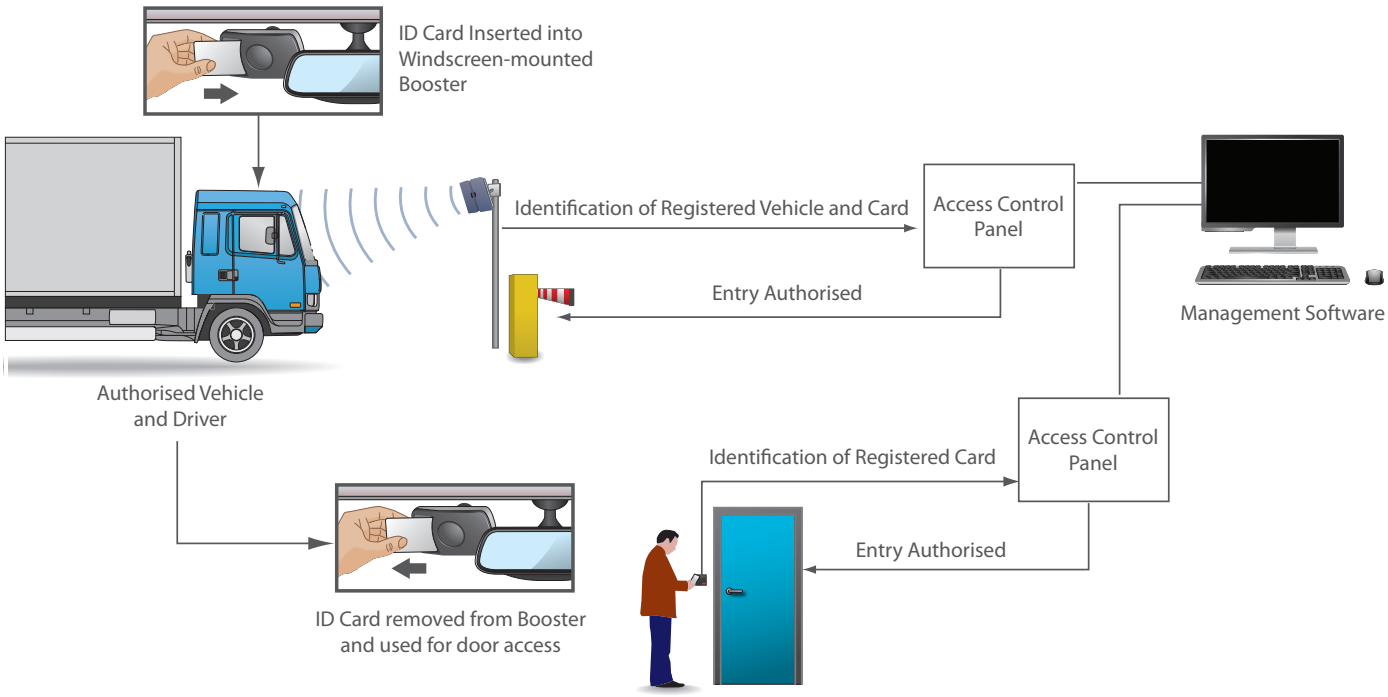
Dual ID mode (Vehicle ID + Driver ID) - see illustration below

The Booster is inactive until the driver inserts his/her personal ID card and pushes the Booster's button. Once the button is pushed the Booster reads the personal ID card and beeps upon a successful read. Both vehicle-id and driver-id are transmitted to the reader for 5 seconds. After that the Booster automatically deactivates again unless it is set always-on'-mode, in which case it will remain active.

Single ID mode (only Driver ID)

The Booster is inactive until the driver inserts his/her personal ID card and pushes the Booster's button. Once the button is pushed the Booster reads the personal ID card and beeps upon a successful read. The data is transmitted to the reader for 5 seconds. After that the Booster automatically deactivates again. Always-on-mode is not supported in single-ID mode.

Warning: The user should never leave the card in the Booster when leaving the vehicle, as this presents a security risk.



Ordering Information

9948538	Prox-Booster 2G - for use with proximity cards. Sends driver and vehicle ID's	**9948554**	Smartcard-Booster 2G - For use with Smartcards. Configurable output.
9948546	Prox-Booster 2G (single id) - for use with proximity cards. Sends driver ID only	**9961798**	Smartcard Booster LEGIC - For use with LEGIC Smartcards. Configurable output.

nortechcontrol.com

t: +44 (0) 1633 485533
f: +44 (0) 1633 485666
e: info@nortechcontrol.com

Nortech Control Systems Ltd.
Nortech House,
William Brown Close,
Llantarnam Park, Cwmbran,
NP44 3AB, United Kingdom