

# Booster

## Long range driver identification

### Key Features:

- Long range driver ID up to 10 m ( 33 ft)
- Supported credentials
  - HID prox, EM, Nedap
  - MIFARE, HID iClass, LEGIC
- One card solution
- Simultaneous driver & vehicle ID
- Maximizes perimeter security

The Boosters enables long range driver identification. Driver based ID systems ensure that a vehicle can never get access to a secured area unless occupied by an authorized driver. The Booster is used in combination with a personal access credential. It is an easy to integrate solution for vehicle access, which eliminates the need to issue new cards.

#### Driver based identification, how does it work?

The driver based tag is made up of two elements.

- 1) Building access card
- 2) In-vehicle Booster

The Booster is placed on the windshield on the inside of a vehicle. When an authorized building access card is inserted into the Booster it will be read and then boosted to the external Nedap TRANSIT reader. The TRANSIT reader transmits the credential ID to any standard back end security panel. If the credential is authorized and access is granted the gate will open automatically. Removal of the Driver ID is ensured by designing the system to require that the access card is also used for building access.



#### Matching vehicle and driver

Optionally a separate ID (vehicle ID) can be programmed in the Booster hardware on certain models, this allows you to match the right driver with the right vehicle.

Boosters are available for almost all card technologies:

**Prox Booster;** supporting proximity access control badges operating on 120-125 kHz such as HID prox, EM and Nedap.

**Smartcard-Booster;** supports ISO 14443 or 15693 compliant smartcards (eg. MIFARE, LEGIC and HID iClass) operating on 13.56 MHz. Depending on applied card technology either CSN or sector information can be read, see [Booster\\_Installguide](#) for more information.

**Transition-Booster;** supports proximity (120-125 kHz) as well as smartcard (13.56 MHz) technology. The Transition-Booster is specifically designed to be used in applications where multiple card technologies are applied simultaneously. It allows for seamless migration from existing Prox to versatile smartcard applications.

#### Booster applications

Typical applications for the Booster are high secured areas like airports, seaports, military bases, utility companies, corporate and educational campuses, police, fire and other installations where vehicles must be assigned to a specific driver.



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# Specifications



Technical information	Prox-Booster	Smartcard-Booster	Transition-Booster
<b>Part no.</b>	9895744 Prox-Booster 9895736 Prox-Booster (single id)	9895337 Smartcard-Booster	9895752 Transition-Booster
<b>Operating frequency</b>	120 kHz / 2.45 GHz	13.56 MHz / 2.45 GHz	120 kHz / 13.56 MHz / 2.45 GHz
<b>Dimensions</b>	116 x 72 x 27 mm [4.6 x 2.8 x 1.1 in] according to Ertico OBU standard		
<b>Weight</b>	95 gram [3.4 oz]	120 gram [4.2 oz]	120 gram [4.2 oz]
<b>Protection</b>	IP32 [approx. NEMA 2]		
<b>Color</b>	Grey, according to RAL 7035		
<b>Operating temperature</b>	-20 ... +85°C [-4 ... +185°F]		
<b>Storage temperature</b>	-40 ... +85°C [-40 ... +185°F]		
<b>Detection range</b>	Up to 10 meters [33 feet] with TRANSIT Standard , up to 4 meter [12 ft] with TRANSIT Entry		
<b>Humidity</b>	10% ... 93% relative humidity, non condensing		
<b>Mounting</b>	Attaches with suction pads to the windscreen on the inside of a vehicle. In case of a metallised windscreen a metal free communication window is required.		
<b>Certification</b>	EN60950, EMC 89/336/EEC, EN50081-1, EN 50082-1, ETS 0908 and FCC		
<b>Power supply</b>	Built-in factory replaceable lithium batteries with expected lifetime of 5 years.	Built-in user replaceable AAA lithium batteries with expected lifetime of 5 years.	Built-in user replaceable AAA lithium batteries with expected lifetime of 5 years.
<b>Operating mode</b>	C: After user activation vehicle and driver ID is transmitted (default)  A: Continuous transmission of vehicle ID and driver ID (not available for Prox-Booster single id)	C: After user activation vehicle and driver ID is transmitted (default)  A: Continuous transmission of vehicle ID and driver ID	C: After user activation vehicle and driver ID is transmitted (default)  A: Continuous transmission of vehicle ID and driver ID
<b>Inductive readable</b>	Only the Prox-Booster's embedded Booster ID.	Embedded Booster ID (vehicle ID)	Embedded Booster ID (vehicle ID)
<b>Identification Driver</b>	Prox-Booster: Driver ID & vehicle ID Prox-Booster single id: Driver ID	Driver ID & vehicle ID	Driver ID & vehicle ID
<b>Supported prox cards (120-125 kHz cards)</b>	HID prox, up to 40 bits (HIB required on reader level 7819102) EM/ Nedap		HID prox, up to 40 bits (HIB required on reader level 7819102) EM, Nedap
<b>Supported smartcards (13.56 MHz)</b>		ISO 14443 1/2A/3A (MIFARE CSN and optional sector information) ISO 15693 1/2/3 (LEGIC Advant UID, for LEGIC sector information, see special versions) HID iCLASS CSN	ISO 14443 1/2A/3A (MIFARE CSN and optional sector information) ISO 15693 1/2/3 (LEGIC Advant UID, for LEGIC sector information, see special versions) HID iCLASS CSN
<b>Readers</b>	9990410 TRANSIT PS270 Standard reader 9875220 TRANSIT PS270 Standard reader USA 9876200 TRANSIT Entry		
<b>Special versions</b>	<b>9895736 Prox-Booster Single ID</b> , single ID version without embedded vehicle ID, driver ID only.  <b>9848940 Booster HID</b> , Single id version to read HID prox cards, driver ID only	<b>9895728 Smartcard-Booster Legic</b> (Dedicated LEGIC version, which can read LEGIC sector information, see separate Smartcard-Booster Legic_ProdBull)	

## Represented by:

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