

Prox Booster

long-range vehicle & driver
identification tag

Key features:

- ✓ simultaneous vehicle and driver identification
- ✓ identification up to 10 meters (33 feet)
- ✓ patented dual identification solution
- ✓ supported credentials: HID prox, EM & Nedap
- ✓ easy mounting to vehicle's windshield



The Prox 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 authorized driver. The Prox Booster is used in combination with (existing) personal access credentials. Based on semi active RFID technology, the Prox Booster is identified up to 10 meters (33 feet) with the TRANSIT Ultimate or TRANSIT Standard reader.

Typical applications include highly secured vehicle access at airports, seaports, military bases, utility companies, corporate and educational campuses, police, fire and other installations where vehicles must be assigned to specific drivers.

Driver based identification

The driver based vehicle identification solution consists of two elements: a building access card and an in-vehicle Prox Booster. The Prox Booster is mounted on the inside of a vehicle's windshield. When an authorized building access card (driver ID) is inserted into the Prox 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 authorized, access is granted and the gate opens automatically.

Building access

By removing the access card from the Prox 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 Prox Booster are combined, removal of the access card ensures a high level of security.

Supported proximity cards

The Prox Booster supports proximity access control cards operating on 120-125 kHz. This includes: HID prox, EM and Nedap.

Windshield mounting

As the Prox Booster is equipped with suction pads on the backside, it can be mounted onto the windshield easily. Thanks to this convenient design, installing the Prox Booster only takes seconds.

Technical information	Prox Booster 2G
Part number	9948538 Prox-Booster 2G 9948546 Prox-Booster 2G Single ID
Dimensions	111 x 65 x 28 mm (4.4 x 2.6 x 1.1 in)
Color	RAL 7016 (housing), RAL 7035 (edge)
Weight	110 g (3.9 oz)
Protection class	IP32 (approx. NEMA 2)
Material	PC and TPU
Operating temperature	-40 ... +85°C (-40 ... +185°F)
Storage temperature	-40 ... +85°C (-40 ... +185°F)
Relative humidity	10% ... 93% relative humidity, non condensing
Read range	10 meters (33 ft) with TRANSIT Ultimate or TRANSIT Standard 4 meters (12 ft) with TRANSIT Entry
Operating frequency	120 KHz / 2.45 GHz
Operating modes	RO-C = read-only, switch button activation RO-A = read-only, always on (not available for Prox-Booster 2G Single ID)
Supported prox cards (120-125 kHz cards)	Nedap EM4200 or compatible HID-PROX up to 40 bits (HID Interface Board required in TRANSIT reader)
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*. *In case of a metalized windscreen, please contact your Nedap representative.
Compatible readers	9215689 TRANSIT Ultimate 9990410 TRANSIT Standard 9875220 TRANSIT Standard USA 9876200 TRANSIT Entry
Standards	CE, FCC, IC, ACMA, R-NZ
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