Smartcard Booster

long-range vehicle & driver identification tag

Key features:

- simultaneous vehicle and driver identification
- identification up to 12 meters* (40 feet)
- patented dual identification solution
- supported credentials: MIFARE (DESFire), LEGIC (Advant), HID iClass and Calypso
- easy mounting to vehicle's windshield

The Smartcard 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 Smartcard Booster is used in combination with (existing) personal access credentials. Based on semi active RFID technology, the Smartcard Booster is identified up to 12 meters* (40 feet) with the TRANSIT Ultimate 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 Smartcard Booster. The Smartcard Booster is mounted on the inside of a vehicle's windshield. When an authorized building access card (driver ID) is inserted into the Smartcard 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.

**In combination with the TRANSIT Ultimate reader. The maximum read range depends on reader type, the installation and the environment.*

Building access

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

Supported smartcards

The Smartcard Booster supports ISO14443-A and ISO15693 compliant smartcards operating on 13.56 MHz. This includes: MIFARE (DESFire), LEGIC (Advant), HID iClass and Calypso.

Windshield mounting

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

Technical information	Smartcard Booster 2G
Part number	9948554 Smartcard Booster 2G
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	Up to 12 meters (40 ft) with TRANSIT Ultimate
Operating frequency	13.56 MHz / 2.45 GHz
Operating modes	RO-C = read-only, switch button activation RO-A = read-only, always on
Supported smartcards (13.56 MHz)	MIFARE Classic MIFARE Ultralight MIFARE DESFire (EV1) ISO 14443-3A CSN ISO 15693 UID (LEGIC Advant) HID iCLASS CSN Calypso PUPI and free files
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
Standards	CE, FCC, IC, ACMA, R-NZ
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