SMARTCARD-BOOSTER 2G

long-range vehicle and driver identification

KEY FEATURES:

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

The Smartcard-Booster 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.

Smartcard-Booster 2G; supports ISO 14443 or 15693 compliant smartcards (eg. MIFARE, MIFARE DESFIRE, LEGIC, Calypso 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.

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.

SPECIFICATIONS

Technical information	Smartcard-Booster 2G
Part no.	9948554 Smartcard-Booster 2G
Operating frequency	13.56 MHz/2.45 GHz
Dimensions	116 x 72 x 27 mm [4.6 x 2.8 x 1.1 in] according to Ertico OBU standard
Weight	120 gram [4.2 oz]
Protection	IP32 [approx. NEMA 2]
Color	Grey, according to RAL 7035
Operating temperature	-40 ... +85°C [-40 ... +185°F]
Storage temperature	-40 ... +85°C [-40 ... +185°F]
Detection range	Up to 10 meters [33 feet] with TRANSIT Standard , up to 4 meter [12 ft] with TRANSIT Entry
Humidity	10% ... 93% relative humidity, non condensing
Mounting	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
Certification	EN60950, EMC 89/336/EEC, EN50081-1, EN 50082-1, ETS 0908 and FCC
Battery life	User replaceable AAA lithium batteries with expected lifetime of 5 years*.
Note	*Life time expectation is based on: • Average warm climate conditions. Exposure to extreme hot conditions might reduce battery life. • Default operating mode C
Operating mode	C: After user activation vehicle and driver ID is transmitted (default) A: Continuous transmission of vehicle ID and driver ID
Inductive readable	Embedded Booster ID (vehicle ID)
Identification Driver	Driver ID & vehicle ID
Supported smartcards (13.56 MHZ)*	ISO 14443 1/2A/3A ISO 15693 1/2/3 - MIFARE CSN and optional sector information - MIFARE DESFire CSN and file data - LEGIC Advant UID - HID iCLASS CSN - Calypso PUPI and public files. See for more information Smartcard Config Program
Readers	9215689 TRANSIT Ultimate reader 9990410 TRANSIT PS270 Standard reader 9990410 TRANSIT PS270 Standard reader USA 9876200 TRANSIT Entry
Document version nr.	v4.3