

Nedap AVI - TRANSIT Long Range Driver

Do you know who's inside? We do! The story of the Trojan Horse holds a relevant message even today. For real security and peace of mind, you must not only identify an approaching vehicle, but also the driver inside. Identifying only the vehicle rather than the driver could encourage theft of a vehicle to access your facilities, making the vehicle a "Trojan Horse" by giving automated access to what is perceived as an authorized vehicle. Expand your protection zone With a Nedap driver based AVI security system, you are assured a vehicle can never get access to a secured area unless occupied by an authorized driver. This enhanced functionality expands the protection zone beyond your building's doors to the perimeter of your property. How does driver based AVI work? A driver based tag is made up of two components: The Booster is mounted behind the windshield of the vehicle. The building access card (driver ID) is inserted into it to identify the driver. The Booster reads the card and transmits an amplified signal to the TRANSIT reader at ranges up to 33 ft [10 m]. This will allow plenty of time for the back end security controller to activate the barrier or gate opening prior to the time the vehicle arrives. The Booster device will in effect act as the lock and the building access card as the key. In some models the Booster features an imbedded vehicle ID, allowing the system to match the right driver with the right vehicle. Removal of the Driver ID is ensured as it is required for building access once the driver leaves his vehicle. Only the Booster, which in itself can not activate the barrier or open the gate, is left behind in the vehicle. Join the list of driver secured facilities with TRANSIT AVI! Applications include airport and port security, defense, utility, corporate and education campuses, police, fire brigades, public transport vehicles and other installations where vehicles must be assigned to a specific driver. The system allows for mixed use of vehicles from trucks, vans or passenger cars to enter the same gate without the need to install multi-level readers, which are often hit by approaching vehicles. Vehicle based AVI Vehicle based tags are also available. These tags are programmed with a unique ID number which, are mounted either to the windshield of the vehicle or to the exterior of the vehicle. Vehicle based tags are used for convenient long range vehicle access, parking, automated truck weigh scales, yard management, waste management etc. Operating Principle AVI The AVI system is made up of a reader and a tag. The tag is identified up to 33 feet [10 meters] as soon as it comes into range of the reader. The system requires line of sight between the tag and the reader. TRANSIT readers are installed facing in the direction where the vehicle needs to be identified. Using a secure algorithm, the tag ID is decoded and transmitted to the host system. The identification beam of the reader is a directed lobe. Booster card technology interfaces The Booster offers easy front end integration by using a common building access credential. No authorization of new numbers in the host system is required. Supported card technologies are;

- HID Prox & HID iClass
- LEGIC
- MIFARE
- EM

- Nedap Product overview TRANSIT READER TRANSIT STANDARD PS270 Long-range vehicle identification reader
 Operating frequency: US 2.438 – 2.457 GHz Europe 2.400 – 2.482 GHz Dimensions: 12.2 x 9.8 x 3.9 in [310 x 250 x 100 mm] Detection range: up to 33 ft [10 m] Outputs: Barcode 39, Wiegand 26-bit, Wiegand 32-bit, Wiegand 37-bit, Wiegand FF56, Omron and HID Corp 1000 Part nr: 9875220 TRANSIT USA 9990410 TRANSIT Standard DRIVER BASED TAGS
 Booster HID Identification: Driver ID Supported cards: HID prox Part nr: 9848940 Booster HID Prox-Booster Identification: Driver ID & Vehicle ID Supported cards: HID Prox, EM and Nedap Part nr: 9895744 Smartcard-Booster Identification: Driver ID & Vehicle ID Supported cards: HID iClass, Legic and mifare Part nr: 9895337 Transition-Booster Identification: Driver ID & Vehicle ID Supported cards: HID Prox, EM, Nedap, HID iClass, Legic and mifare Part nr: 9895752 VEHICLE BASED TAGS Window Button Single ID vehicle tag Identification: Vehicle ID Part nr: 9882650 Window Button 9882480 Window Button Switch (user activation) Heavy Duty Tag Exterior mounted ATEX approved vehicle tag Identification: Vehicle ID Part nr: 9875980