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AT RFID SmartVan Package Management System

The AT SmartVan system is an independent RFID system that can be fitted to any delivery vehicle for package management.

A completely standalone design allows for easy installation, integration and operation.

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ADLER Technologies (Pty) Ltd – RFID Specialists

Project Objective

To create an RFID SmartVan System which will automate the control and delivery of packages from within a courier van environment. With the use of RFID technology, we will provide the following system benefits:

- Provide accountability at a user level regarding access to the packages in the van
- Control access to the packages
- Provide a comprehensive automated reporting structure
- Provide an all in one system that manages itself from within the SmartVan
- Optional Multi level connectivity for data sharing and GPS locations
- "Sightless" identification of users and packages
- UHF Technology with EPC based ID structuring
- Date and time stamps per transaction
- Universal system design that can be applied to any delivery vehicle
- UPS powered for additional system stability



Optional RFID Handheld Reader

AT RFID SmartVan System

AT RSS is an RFID stock management system complete with hardware and software to manage the package delivery environment. It was developed based on the business processes of company inventory and stock control. It's a user friendly and complete solution, with all modules integrated into one software package. AT RSS has a full set of features that helps businesses manage their delivery processes while reducing cost of operations and improving security within a single controlled environment. Our unique RFID module delivers high end accuracy within the system.

A comprehensive set of features uniquely designed for the SmartVan:

- 1 UHF Based RFID tags and readers with EPC Global Identification.
- 2 Fixed RFID readers mounted within the van to monitor packages entering or exiting the vehicle
- 3 Magnetic door locks with user authentication via RFID user access cards
- 4 Custom developed software platform with full system reporting
- 5 Onboard computer system to manage and monitor package traffic and user access
- 6 The system scans all packages loaded into the vehicle and then scans the outbound transactions with date & time stamping
- 7 Multi-tier system to manage many vans at once
- 8 Each AT RSS van kit delivers the complete system including hardware and software
- 9 Full system training provided.
- 10 Onsite and remote system maintenance.
- 11 After sales support.
- 12 Optional software maintenance agreements to keep your system at the cutting edge of technology.
- 13 Optional UHF Handheld RFID readers can be used for package delivery and POD signing
- 14 Optional 3G connectivity for real time reporting and GPS location



Onboard computer management system: 1,8Ghz processor, 2GB DDR3 RAM, 320GB Hard Drive, Standalone device, LAN switch, UPS powered



UHF RFID Fixed reader with antenna mounted at the entry exit point of the van. Hi powered RF will scan inbound and outbound packages



Magnetic lock, mounted on the rear door of the van provides user authenticated access control



UHF based long range disposable RFID tags. 865Mhz with omni directional reading. 6m read range



UHF based long range reusable RFID tags. 865Mhz with omni directional reading. 8m read range

The AT RSS system is delivered and installed with the following:

1x UHF RFID Reader

1x Magnetic lock

1x RFID Gateway Management Consol

Required consumables:

UHF disposable RFID tags

UHF reusable RFID tags

Optional extras:

Handheld RFID readers

Additional RFID antennas

Please do not hesitate to contact us should you require any further information.

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