

Riderbit is a family of products dedicated to protecting cargo and other types of assets being transported by vehicles. At the core of the solution is the Vehicle Access Controller, managing security procedures for accessing vehicles and serving as a platform for integration with related applications, like GPS

tracking and video telematics. Further the Vehicle Access Controller holds a database of authorised users and a transaction log for storing events and alarms. It is therefore the ideal tool for companies wanting to reduce problems related to security and compliance in their fleet operations.



## Solution

- Vehicle Access Controller managing access to commercial vehicles and trucks
- Eliminates most common risks for unauthorised access
- Provides fleet owners with a track record of events and alarms
- Works with external locks or integrated with the locking system of the vehicle
- Serves as a platform linking interrelated functions
- Available in off-line and on-line versions
- Features mobile app for programming and reporting



## Functions

- Rule based access control using RFID technology
- Fully featured electronic slamlock function
- Alarms and event monitoring and reporting
- Management of access cards and user identities
- Enhanced facilities for integration with auxiliary systems
- Programmable audible alarms for door insecure situations

## Applications



Protecting cargo for logistics companies



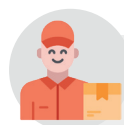
Securing transport of commercial drugs



Providing proof of access for supervisors and managers



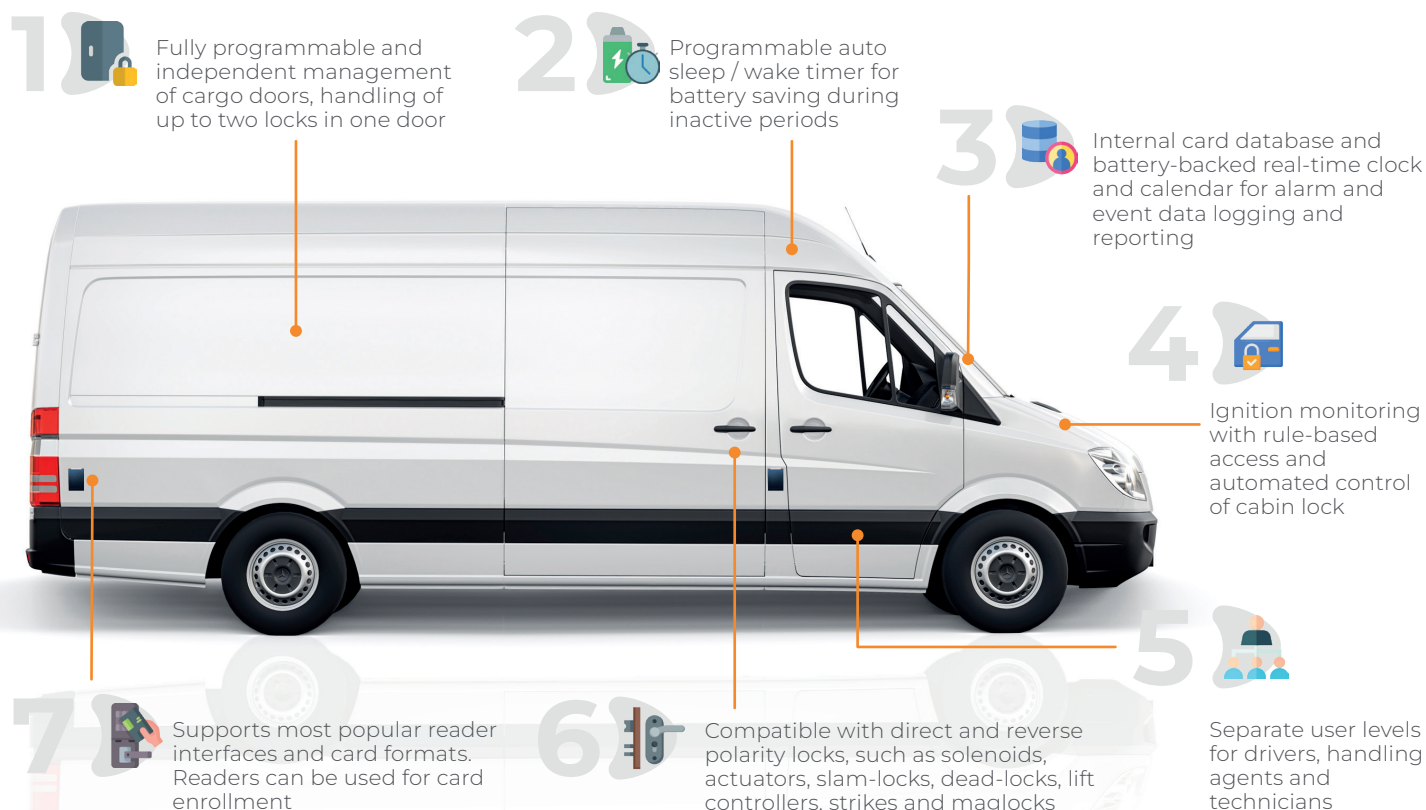
Limiting access to perishable goods



Managing driver identities and access permissions



Riderbit Vehicle Access Controller Management App



## Specifications

System	Card database	Up to 1,024 cards (nonvolatile / expandable)
	Transaction log	Up to 16,000 alarm / event transactions (nonvolatile / expandable)
	Configuration	Using Riderbit Vehicle Access Controller Management App* (available for Android phones) or Riderbit Cloud Services platform**
	Power saving function	Programmable sleep / wake timer (0-99 min) after inactivity
Electrical	Power supply	9 – 16VDC (12VDC nominal)
	Average operating current @ 12VDC	< 20mA (without card readers and optional modules)
	Maximum operating current @ 12VDC	< 150mA (without card readers, with all modules installed)
Mechanical	Dimensions (L x W x H)	209.55 x 127.00 x 71.12mm (8.25 x 5.00 x 2.80in)
	Weight	600g (21.2oz)
Environmental	Operating temperature	-20° – 85°C (-4° – 185°F)
	Operating humidity	5% to 90% non-condensing
Communications		1 x Serial selectable type (RS-232 / TTL), 1 x Bluetooth Low Energy module, 1 x CAN interface module (optional), 1 x GSM network module (optional)***
Door Interface	Reader interface	2 x Selectable data type (Wiegand / Clock & Data) and power (300mA max)
	Door monitoring	2 x Programmable active low/high door monitor, lock monitor and request-to-exit supervised inputs
	Lock control	2 x Direct / reverse voltage power outputs (H-bridge type, 5A max)
Vehicle Interface	Ignition monitoring	1 x Ignition multilevel input
	Cabin lock control	2 x Open-collector outputs
	Cabin lock monitoring	1 x Programmable active low/high multilevel input
Inputs and Outputs	General purpose outputs	4 x Open-collector output (30VDC, 250mA max)
	General purpose inputs	3 x Programmable active low/high supervised input (15VDC max)

\* A BLE Module must be installed in order to communicate with the Riderbit Vehicle Access Controller Management App.

\*\* Riderbit Cloud Services platform requires a subscription service plan.

\*\*\* The use of the GSM network module requires a micro SIM card with a mobile data plan.

All features, functionality and other product specifications are subject to change without notice or obligation.

