JANUS

PRODUCT DATASHEET
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IoT Lock

Locking control for micromobility and cloud-connected locking

A control system for bikes, scooters and equipment: a master unit controls up to 8 locks, with remote monitoring, smart charging and 4G, Wi-Fi or Ethernet connectivity.

FEATURES

Remote monitoring
Monitor the locks and the units remotely.

Smart charging
Integrated smart charging with power metering.

8-channel lock board
Each lock board drives 8 locks: magnetic locks and motorised latch locks.

NFC access
Optional NFC access control.

RS485 / Modbus
The controller drives one or more lock boards over RS485, and other RS485 devices too.

Optional GPS
GPS on the controller board, optional.

Battery backup
Central battery backup system.

Up to 100 units per master
With an optional redundant configuration.

Optional gateway
An optional gateway extends coverage.

TECHNICAL DATA

Architecture	A controller board, with 4G and the battery, and one or more lock boards, connected over RS485. The lock board is independent from the controller and battery board
Lock board	8 channels. Magnetic locks and motorised latch locks
Scale	Up to 100 units per master
Connectivity	4G, Wi-Fi or Ethernet
Bus	RS485 / Modbus. Controls one or more lock boards, and is not limited to them: any RS485 device
GPS	Optional
Charging	Smart charging with power metering
Access	NFC access control, optional
Backup	Central battery backup
I/O	Industrial-grade I/O ports
Redundancy	Optional redundant configuration
Coverage	Optional gateway
Design	Modular, compact installation footprint

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Further specifications will be added as they are confirmed. Specifications may change without notice.