

# Idesco Cardea Wireless Locking System

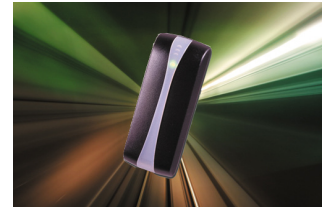
an evolutionary step in lock management

The Cardea Wireless Locking System is designed to address the most difficult lock management problem: locations where no feasible solution exists or where ensuring security is critical. Idesco's Cardea Wireless Locking System, containing controller, up to 10 readers, up to 50 tags and ready-made database, is a complete and comprehensive system designed for small to medium-sized lock management installations, where control over a maximum of 10 locks is required. It comes with a quick, convenient Plug-n-Play installation yet can also accommodate configuration to existing RFID tag populations.

The Cardea Wireless Locking System is fully secure, deploying strong encryption algorithms between all communicating components. Built using MIFARE® technology, the Cardea Wireless Locking System can accommodate the Advanced Encryption Standard using DESFire, ensuring your lock management at the highest level of security, 128 bit encryption.

The Cardea Wireless Locking System is self-contained, operating fully independent of other systems (e.g. Ethernet). It is maintenance-free, possessing its own ready-made database, and cost-effective too because it is so easy to install. All one needs is 10-30VDC power and electrical locks. Connect the readers and locks, power up the devices and it is ready.

Deploy the Cardea Wireless Locking System at sites demanding greater distances between readers and controllers, where cabling isn't feasible for linking readers and controllers (e.g. distant logistics centres gates or harbours), in environments constantly exposed to inclement conditions, or where a reader's location will not remain static (e.g. docked boats).



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Cardea Wireless System Components:	Idesco ® Cardea Readers (up to 10 pcs) Idesco ® Controller Unit (ICU) Tags or cards (up to 50 pcs)
Operating Frequency:	2,4 GHz (wireless communication)
RFID Frequency:	13,56 MHz
Housing Material:	Plastic
Installation Method:	Screws
Protection Class:	IP67
Operating Temperature:	-20 ... +50 °C
Storage Temperature:	-40 ... +85 °C
Wireless RF:	6LoWPAN
Effective Range:	Given in device datasheets
EMC:	Given in device datasheets
LED:	Given in device datasheets
Power supply	12VDC / 24VDC

See datasheets for Cardea Reader and Idesco Controller

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