

# Idesco Cardea

## multifunctional wireless readers with standalone capability

Wireless technology enables the use of Idesco's identification and access control systems in places where they previously weren't feasible. Wireless technology can also be used to expand existing RFID solutions with cabling.

In addition to the cost efficient installation, wireless RFID solutions are also user-friendly and safe. The signals between the readers and the access control systems are secured and encrypted.

Idesco Cardea readers are especially good in installations requiring longer distances between readers and controllers and whenever cabling can't be applied to link readers and controllers, e.g. at far located gates of logistics centres or harbours. The system can also be applied for expansion of an existing access control system. The reader can be configured to a continuous polling mode or it can be commanded by a special command set.

The reader reads compatible application specific data from one selected sector of the Mifare® Standard transponders and supports also Mifare® Multi-application transponders. A configuration card defined by Idesco or the customer can be used in programming the required reader output, application specific keys as well as the sector to be read. Also the required data length can be defined according to individual application demands.



### Specifications

Operating frequency	2,4GHz (wireless communication)
RFID Frequency	13,56 MHz
Material of housing	Plastic
Installation method	Screws
Protection class	IP67 (without battery)
Dimensions of housing	172 x 47 x 25 mm
Operational temperature range	-20 ... +50 °C
Storage temperature range	-40 ... +85 °C
Wireless (RF)	6LowWPAN (IPv6 over 802.15.4)
Reach distances	Outdoor 100m (line of sight) Indoor up to 50 (depending on local circumstances)
EMC	ETSI EN 301 489-1, ETSI EN 301 489-03, v. 1.4.1
Led	Tricolour



Eco 20 is a new generation of Idesco products. Eco 20 stands for less power consumption, improved connectivity with other products and smaller carbon footprint through sustainable manufacturing materials and methods. [www.idesco.fi/eco20](http://www.idesco.fi/eco20)

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