IR 9000 Standalone
IR 9000 Reader
Idesco Controller Unit

IR 9000 Standalone is a modern solution for easy, fast and convenient vehicle identification for example in parking houses. It controls access rights without a connection to the host system. Access rights information is stored in the Idesco Controller Unit, which allows IR 9000 Standalone to act autonomously.

The IR 9000 Standalone consists of an IR 9000 reader and Idesco Controller Unit. These communicate with each other wirelessly, by using the 6LowPan (IEEE 802.15.4) standard.

The IR 9000 reader is a passive long-distance RFID reader operating according to the European UHF (ultra high frequency) RFID regulations. The reader is very suitable for vehicle identification (AVI), logistic systems and access control applications. You can find more information about the IR 9000 reader in the IR 9000 Reader family -datasheet.

Idesco Controller Unit has both, the software (Cardea System Software) and a database inside it. When database, which defines the user rights for the reader, has been created, Idesco Controller Unit can work alone: no connection to another system is required. For a real time follow up and a database update, Idesco Controller Unit must be connected to a laptop or to a PC with Ethernet connection.

Idesco Controller Unit can manage several IR 9000 readers. It can also be used for connecting Access Control readers, both wireless and wired (Wiegand).

Specifications

Idesco Controller Unit

Operating frequency	2,4 GHz (wireless communication to IR9000)
Voltage	10 ... 25 VDC
CPU	ARM920T
Memory	32 MB SDRAM, 4 MB NOR Flash, 128 MB NAND Flash
Dimensions of housing	129 x 193 x 52 mm
Material of housing	Plastic
Installation method	Screws
Protection class	IP67
Operational temperature range	-30 ... +60 °C
Inputs	3 x logic level input
Outputs	1 x door control 3 x FET open drain
Interface specifications	Ethernet, Wireless (RF), 4 x Wiegand
EMC	ETSI EN 301 489-1, ETSI EN 301 489-03, v. 1.4.1
Led	Tricolor
Security	Tamper switch

Specifications of the IR 9000 Reader are in the IR9000 Reader Family datasheet.