



8 CD 2.0 AES

- The most secure access control reader in the market
- Ultimately secure data encryption between the reader and the host system
- Convenient RS-485 interface enables long cablings
- Long life span and low power consumption

Technical specifications

Operating Frequency	13,56 MHz
Voltage	24VDC (+10VDC +30VDC)
Current Consumption	20 mA @ 24 VDC, max 60mA
RFID chip support	MIFARE® DESFire EV1 & EV2 & EV3: UID + Application files , MIFARE® Classic: UID + Sectors, MIFARE® Ultralight UID + Pages, MIFARE® Plus UID security levels 1 and 3, MIFARE® SmartMX (MIFARE® Classic emulation mode), NFC
Keypad	Capacitive keypad with LED backlights
Available with housings	Basic, Slim, Slim Pin
Dimensions of housing (hwxwd)	Basic: 110 x 43 x 24 mm, Slim: 141 x 43 x 19 mm
Material of housing	Plastic
Installation method	Screws
Colour	Black
Customized versions	Yes
Protection class	IP67: with the pigtail cable option, IP54: with the connector option
IK rating	Basic: IK-10, Slim: IK-09, Slim Pin: IK-09
Inflammatory class	Horizontal specimen UL94 HB, vertical specimen UL94 V-2
Operational temperature range	-40 °C - +55 °C
Storage temperature range	-40 °C - +55 °C
I/O's	2 FET outputs (for tamper control and general), max 500 mA, 1 input for an exit button
RS-485	Idesco RS-485 with AES encryption
EMC	Meets CE requirements
Field strength	According to EN300330
Cable	LIYY 3m, delivered only with pigtail reader
Encryption	Air interface: AES or 3DES, from reader to host: AES
Connector option	Yes (pigtail as a default)
LED	Three-colour LED
LED control	By protocol
Buzzer	Yes
Buzzer control	By protocol
Optical Tamper	Yes, configurable
Configuration	Configuration by DESFire EV1/EV2/EV configuration card or Mobile coder phone app