Access 8 CDpin
Slim Pin, Quattro Pin

Access 8 CDpin reader improves security in access control by providing pin code identification to be used together with the MIFARE® DESfire identification card. Access 8 CDpin reader is an excellent choice for modern multi-applications with high requirements for both security and configurability.

Access 8 CDpin reader is freely configurable enabling the customer to build their own applications flexibly. Access 8 CDpin reads application specific data from one or more selected applications and files of MIFARE® DESFire transponders. Alternatively, for maximum security, the reader can be set to send out the data string combined from several data blocks stored in different files.

Authentication keys can also be defined independently for different files (max 7 keys). A MIFARE® DESFire configuration card defined by Idesco or customer is used for programming the required reader outputs, application specific AES or triple DES keys, application AIDs and the file numbers to be read. Also the data length can be defined according to individual application demands. In case there is no defined application in the card the reader can also be configured to send out the 7 byte serial number of the MIFARE® DESFire transponder.

Reader keypad is based on capacitive sensing technology. The keypad has configurable backlight LEDs that illuminate the keypad. PIN codes can be sent out in 4-, 6-, 8-, 24- and 32- bit formats. The pin code length is a configurable parameter too.

Access 8 CDpin has three operation modes: MIFARE® DESFire, MIFARE® Classic (1k and 4k) and a dual mode. The dual mode means that the reader supports the full functionality of both the MIFARE® Classic and MIFARE® DESFire simultaneously. This feature makes the Access 8 CD an ideal choice for upgrading MIFARE® Classic installations to MIFARE® DESFire.

The reader also has an optical tamper switch option.

The reader can be customized by adding a customer logo to the keypad sticker.

Specifications

Operating frequency	13,56 MHz
Voltage	24VDC (+5VDC …. +30VDC) with cable length longer than 100 meters (+10... +30 VDC)
Current consumption	20 mA @ 24 VDC, max 60mA
RFID chip support	MIFARE® DESFire: UID + Application files, MIFARE® Classic: UID + Sectors, MIFARE® Ultralight UID, MIFARE® Plus UID, MIFARE® SmartMX
Encryption	AES or triple DES
Interfaces	RS-232, Wiegand, Clock & Data w/Mifare Classic w/sector reading
I/O	1 FET output
Material of housing	Plastic
Dimensions of housing (hxwxd)	Slim Pin: 141 x 43 x 19 mm Quattro: 85 x 85 x 24 mm
Colour	Black
Keypad	3 x 4 OR 2 x 6 Capacitive
Keypad backlight	Configurable / control by wire
Installation method	Quattro Pin: To a standard electrical socket with screws
Operating temperature	-40…+55 °C, storage -40...+55 °C
Protection class	IP67, with pigtail cable option IP54, with the connector option
Cable	LIYY 3 m (delivered only with the pigtail reader)
Connector option	Yes (pigtail as a default)
Led	Tricolor, control by wire
Buzzer	Yes, control by wire
Field strength	According to EN300330
EMC	Meets CE requirements
Optical tamper	Set on/off with configuration card

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**