Access 8 CD
Basic, Slim, Quattro, Desktop

Access 8 CD reader improves the security of access control solutions by enabling the use of AES or triple DES encryption together with the MIFARE® DESFire identification card. Access 8 CD reader is an excellent choice for modern multi-applications with high requirements for both security and configurability.

Access 8 CD reader is freely configurable enabling the customer to build their own applications flexibly. Access 8 CD reader 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 created 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.

Access 8 CD reader 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 has an optical tamper switch option. Keypad versions are available for the Slim and Quattro housings.

The reader can be customized by adding a customer logo.

For OEM use the Access 8 CD is available as a module too.

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, RS-422, USB
Material of housing	Plastic
Dimensions of housing (hxwxd)	Basic: 110 x 43 x 24 mm Slim: 141 x 43 x 19 mm Quattro: 85 x 85 x 24 mm Desktop: 95 x 62 x 24 mm
Colour	Black
Installation method	Quattro: To a standard electrical socket with screws
Operating temperature	-40…+55 °C, storage -40...+55 °C
Protection class	IP67, with the pigtail cable option IP54, with the connector option
Cable	LIYY 3 m (delivered only with the pigtail reader)
Connector option	Slim & Quattro (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**