



CKZD – CONTACTLESS CARD DESKTOP READERS

LEGIC

MIFARE

Contactless card desktop readers (CKZD)

The universal desktop contactless card reader is designed to work in different applications that require frequent card reading and/or writing operations. The device is available with a few versions of communication interface, that ensure a flexible integration with a host application. Design of the reader enables an easy configuration and functionality setting through an internal firmware downloading. It is easy to use via RS 232/USB interface communicated with PC. CKZDs are designed for low cost and high security as well as for convenience and reliability.

The reader is available with the communication library and the complete specification of implemented functions. Thanks to that the process of integration with outer application is easy and flexible. Three variations of LEDs and buzzer make an user interface of the reader which can be freely adapted to application needs. The ergonomic and friendly form of housing assures comfortable and easy operating with contactless transponders.

ASEC engineers created an universal desktop contactless cards reader that is able to work with variety of applications. The device can operate with simple applications like access control, secure identification or access to IT as as well with sophisticated systems like cashless payment and e-ticketing.



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AUDIOVISUAL USER INTERFACE

LEDs (red/green/yellow) for optical indication of the application status.

Programmable buzzer.

HIGH PROTECTION OF I/O LINES

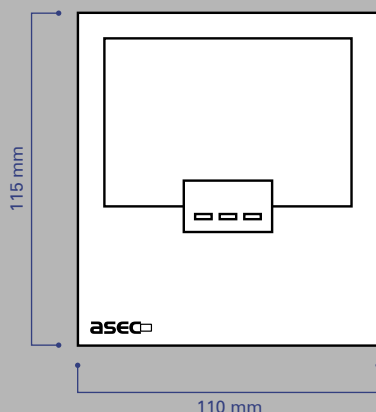
All inputs, outputs and supply lines come within three levels of protection. The reader is protected against high voltage and reversed polarization. Each line is protected by a resettable PTC fuse. Dedicated EMI filters assure correct operation in high-noise environment.

OPERATING SYSTEM SUPPORT

Drivers and installation instruction are available for MS Windows 2000/XP.

INTEGRATION KIT

ASEC offers the desktop readers in a special kit. The integration kits are addressing to the developers' community, engineers and technicians who develop applications using the contactless technology.



LEGIC

The customers can control the reader using direct SM commands (for registered LEGIC users) and dedicated software provided by ASEC.

MIFARE

The Mifare Integration Kit contains the CKZD-M reader, sample Mifare cards, C language libraries, testing demo software and documentation. This kit allows developing a complete contactless card application, using ASEC products (software and reader).

TECHNICAL DATA

Reader type	CKZD-M	CKZD-LP	CKZD-LA
Transponder type	MIFARE	LEGIC prime	LEGIC advant LEGIC prime ISO 14443A ISO 15693
Operating frequency	13.56 MHz (HF)		
Dimension	115×110×30 mm		
Cable length	1.4 m (or other – per customer request)		
Supply voltage	7–14 V DC		
Operating humidity	0–95%		
Operating temperature	–35 to 45 °C		
Color of housing	Computer no 63.312 (Schulman palette)		

Reader type

 CKZD-M

 CKZD-LP

 CKZD-LA

Communication interfaces

USB	USB <input type="checkbox"/>	USB <input type="checkbox"/>	USB <input type="checkbox"/>
RS 232	RS 232 <input type="checkbox"/>	RS 232 <input type="checkbox"/>	RS 232 <input type="checkbox"/>
Ethernet*	10BaseT <input type="checkbox"/>	10BaseT <input type="checkbox"/>	10BaseT <input type="checkbox"/>

ORDERING INFORMATION

Product code should be specified from the above table.

Sample: Reader type: CKZD-M Communication interfaces: USB

Certificates

FCC class B part 15, CE

*Available in Q3 2005

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