

# 9 CD 2.0



**DESKTOP**

95 x 62 x 24 mm



**SLIM**

141 x 43 x 19 mm



**SLIM PIN**

141 x 43 x 19 mm



**VS**

148 x 45 x mm

Thickness: 25 mm with cable,  
25 mm + 10 mm with connector



**VS PIN**

148 x 45 x mm

Thickness: 25 mm with cable,  
25 mm + 10 mm with connector



**VM PIN**

126 x 84 mm

Thickness: 28 mm with cable,  
28 mm + 9 mm with connector



## Product features and benefits

- Reliable R/W device supporting MIFARE® Classic and MIFARE® DESFire technologies
- Various housing models, module available on request
- Desktop housing with card holder is a perfect match for wall installations
- Desktop housing has a USB interface



## Electrical specifications

Operating frequency	13,56 MHz
Voltage	+10 .... +30 VDC
Power consumption	Slim, Desktop; 1.4W in Idesco default configuration. VS, Slim Pin; 1.7W in Idesco default configuration. VM Pin, VS Pin; 2.5W in Idesco default configuration.

## Supported card technologies

RFID chip support	MIFARE® DESFire EV1 & EV2 & EV3; UID + Application files. MIFARE® Classic; UID + Sectors. MIFARE® Ultralight; UID + Pages. MIFARE® Plus X, S, SE, Ev1, Ev2; UID security levels 1 and 3. MIFARE® SmartMX (MIFARE® Classic emulation mode)
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## Mechanical specifications

Housing material	Plastic
Cable	LIYY (delivered only with pigtail reader) Desktop; USB
Cable length	3 m (Desktop USB: 1,5 m)
Colour	Black
Customized versions	Yes, can be printed
Protection class	IP67
IK-rating	IK-09
Flammability class	Horizontal specimen UL94 HB, vertical specimen UL94 V-2

## Environmental specifications

Operational temperature range	Slim and Slim Pin: -40 C° - +55 C°; VM Pin, VS and VS Pin: -30 C°- +55 C°
Storage temperature range	Slim and Slim Pin: -40 C° - +55 C°; VM Pin, VS and VS Pin -30 C°- +55 C°

## Interface specifications

Available interfaces	USB (device), RS-232
Inputs / Outputs	1 General purpose input / 2 outputs

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## Standards and regulations

EMC	Meets CE requirements
Field strength	According to EN300330
Encryption	AES or triple DES

## Other features

LEDs and LED control	Yes. LED control with commands
Buzzer and buzzer control	Yes. Buzzer control with commands
Optical tamper	Yes, configurable with commands
Alive message	Yes, configurable with commands
Re-read delay	Yes, configurable with commands
Keypad backlight(s)	Yes, configurable with commands
Value file support	Yes, configurable with commands

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