

# SMART PLATE

13.56MHz Multiple Reader

## Features

### General

■ Operating frequency (HF)	13.56 MHz
■ Operating frequency (LF)	125KHz
■ Transponder (HF)	ISO15693
	ISO14443/A
	I-CODE
	Mifare
■ Transponders (LF)	Unique
	H4102
	TK5557
	TK5567
	Q5
■ RF transmitting power	100mW
■ Approx. read range	1.5 cm depending on tag antenna size
■ Interface	USB 2.0 Full Speed (12Mbit/s)
■ Communication Protocols	USB Keyboard
■	Virtual COM
■ Power	5V USB power
■ Current consumption	max. 140 mA
■ Operation modes	Polling-Mode
	Scan Mode
■ Antennas	Integrated
■ Driver Support	
	- Windows XP/VISTA 32 Bit
	- Windows DLLs, API and PC driver available

### RoHS

(Fully RoHS (2002/95/CE) Compliant).



**SmartPlate<sup>®</sup>** is an RFID reader / writer with A4 dimensions. Its large working surface makes it ideal for solving the problem of multiple and simultaneous reading. In addition to convenience, it ensures reading even from long distances. Thanks to the anti-collision system, operation is guaranteed even under conditions where the number of TAGs is high.

**SmartPlate<sup>®</sup>** is characterized by its external form; minimally invasive, very flat (height less than 1 cm) and completely sealed making it washable and sterilizable and therefore offering a high degree of protection

**SmartPlate<sup>®</sup>** is connected with the outside world via standard USB.

**SmartPlate<sup>®</sup>** comes with a software that allows the setup, parameterization as well as reading management directly from the device. These readings can then be downloaded via USB and made available to applications.

The typical areas of application for this device are:

- Desk reading of single and multiple RFID TAG
- Reading of TAG in the healthcare environment.

# SMART PLATE

## Benefits

Reader/Writer multi-frequency with high reliability  
Multiple reader due to anti collision technology

## Mechanical and Electrical informations

<b>Dimension</b>	340 x 235 x 10 mm
<b>Housing</b>	ABS
<b>Color</b>	off-white RAL 9002
<b>Weight</b>	<gr. 250
<b>Protection class</b>	IP65
<b>Supply voltage</b>	5V DC USB
<b>Current</b>	200mA
<b>Temperature range</b>	
<b>Operation</b>	0 °C up to 50 °C
<b>Storage</b>	-40 °C up to 85 °C
<b>Relative air humidity</b>	95% (non-condensing)

## Options

## Accessories

## Order Code

IT IS POSSIBLE TO MOVE FROM STANDARD TO INDIVIDUAL SOLUTIONS WITH OUR "COMPREHENSIVE SERVICES".

CONTACT US FOR ANY FURTHER DETAILS ON THIS.

## About Us

TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

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