



# Accesso™

Low-cost, USB, multi-standard  
13.56 MHz contactless PC reader

## Features

- ISO 14443A&B, ISO 15693, and FeliCa™
- Easy USB Installation
- Powered via USB port
- Cryptographic security management for PicoTag™ and PicoPass™
- Serial communication driver for easier development on PC
- Transparent mode providing open contactless interfaces
- Evaluation kits available

## Typical applications

- PC Logon
- Internet/Intranet access
- E-Commerce ( e.g. home reservation, pre-paid cards etc)
- Personalization station
- Identity confirmation
- Point of sale
- Whenever a PC needs to communicate with a contactless transponder

**Accesso™** is a USB contactless reader compliant with ISO 14443 A/B, ISO 15693 standards and with capability to communicate with FeliCa™ chips.

## Universal PC Systems Compatibility

**Accesso™** works with Windows® 98, Millenium, 2000, XP.

## INSIDE's Products Compatibility

**Accesso™** is fully compliant with PicoPass™, PicoTag™ chips as well as INSIDE's M210-2G and M220-2G range of couplers and all applications software developed for those couplers.

## Plug-&-Play functionality

Thanks to its USB connection, **Accesso™** is really easy to install. No extra power or cables are required.

The simple drivers installation and evaluation tools make it easier for novice software developers to work on their applications.

## Security

**Accesso™** acts as a security module. It provides state-of-the-art security, including secret key management and cryptographic calculations that enable secure authentication and communication between the transponder and the coupler but also with the host.

## Going the Distance

**Accesso™** provides the unique combination of small size, low cost, easy integration, fast communication speed and a communication distance up to 4 cm when used with PicoPass™.

## Order reference

with ISO 14443 A/B, ISO 15693 and FeliCa<sup>TM</sup>

OEM  
Packaged

Accesso/OEM/F  
Accesso/F

## Kits offer

### Product

Accesso Kit

### Description

The Accesso Kit allows developers to evaluate the INSIDE's technology and makes subsequent integration a straightforward experience.

## Key technical data

### General specifications

*Operating frequency*  
*Operating temp<sup>o</sup>*  
*Operating Distance*

13.56 MHz  
-20°C to + 70°C  
4 cm (with PicoPass<sup>TM</sup>)

### Interfaces

*Host interfaces*  
*Baud rate*  
*ISO standards*  
*Supported operating systems*

USB  
up to 115.2 kbps  
14443 A/B, 15693 and FeliCa<sup>TM</sup>  
Windows®, 98, Me, 2000, XP

## Accesso module block diagram

