

## IDENTIV SCR3310

# IDENTIV SCR3310 Contact Smart Card Reader User Manual

Model: SCR3310 | Brand: IDENTIV

## 1. INTRODUCTION

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The IDENTIV SCR3310 is a high-performance contact smart card reader designed for secure and reliable interaction with various IC cards. This device is compatible with a wide range of applications, including e-tax systems, resident registration cards, and B-CAS cards. This manual provides detailed instructions for proper setup, operation, and maintenance to ensure optimal performance and longevity of your smart card reader.

## 2. SAFETY INFORMATION

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- Do not expose the device to water or excessive moisture.
- Avoid extreme temperatures. Operate and store the device within the specified temperature ranges.
- Do not attempt to open or modify the device. This may void the warranty and pose safety risks.
- Keep the device away from strong magnetic fields.
- Use only with compatible USB ports and power sources.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- IDENTIV SCR3310 Smart Card Reader
- Integrated USB Cable
- Quick Start Guide (if included)

## 4. SETUP

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### 4.1 Driver Installation

Before connecting the SCR3310 to your computer, it is crucial to install the correct drivers. Drivers for this device are available for download from the official IDENTIV support website. Please note that drivers distributed by other vendors, such as NTT, may not be compatible with this specific model.

Download drivers from:

<http://support.identive-group.com/downloads.php?lang=en&open=driver>

[http://support.identive-group.com/download\\_scm/download\\_scm.php?lang=en](http://support.identive-group.com/download_scm/download_scm.php?lang=en)

Follow the on-screen instructions provided by the driver installer. A system restart may be required after installation.

## 4.2 Connecting the Device

1. Ensure the drivers are installed on your computer.
2. Plug the USB Type A connector of the SCR3310 into an available USB port on your computer.
3. The operating system should detect the device and complete the installation automatically. The status indicator LED on the device will illuminate green when ready for use.

## 4.3 Card Insertion

When inserting a smart card, ensure the IC chip on the card is facing upwards and slides smoothly into the card slot. Do not force the card.



Figure 1: Proper insertion of a smart card into the SCR3310 reader. The IC chip on the card should be facing upwards.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Reading a Smart Card

1. Ensure the SCR3310 is connected to your computer and the green status LED is illuminated.
2. Insert the smart card into the reader with the IC chip facing up.
3. Open the application that requires smart card access (e.g., e-tax software, banking application).
4. Follow the application's instructions to read or write data to the card. The reader will automatically communicate with the card.

### 5.2 Status Indicator

The device features a green LED status indicator:

- **Solid Green:** The device is powered on and ready for card interaction.
- **Flashing Green:** Indicates active data transfer or communication with a smart card.
- **Off:** The device is not powered or not connected correctly.

## 6. MAINTENANCE

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### 6.1 Cleaning

To clean the exterior of the device, use a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as these can damage the surface or internal components. Avoid inserting any objects into the card slot for cleaning.

## 6.2 Storage

When not in use, store the smart card reader in a clean, dry environment, away from direct sunlight and extreme temperatures. Protect the USB cable from kinks or damage.

## 7. TROUBLESHOOTING

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- **Device not recognized:** Ensure the USB cable is securely connected to both the reader and the computer. Try a different USB port. Verify that the correct drivers are installed.
- **Card not detected:** Ensure the smart card is inserted correctly with the IC chip facing up. Remove and reinsert the card. Check if the card itself is damaged.
- **Driver installation issues:** Confirm you have downloaded the drivers from the official IDENTIV support website. Ensure your operating system is supported (refer to specifications). For Mac OS 10.8 and later, specific driver compatibility issues have been reported; consult IDENTIV support for the latest information.
- **Intermittent card detection (especially on Linux systems with internal USB headers):** Some internal USB pin header connections, particularly on older Linux systems (e.g., CentOS 6), may experience instability leading to intermittent card detection. If this occurs, try connecting the reader to an external USB port for improved stability.
- **e-TAX compatibility issues:** Specific e-TAX system compatibility problems have been noted. Ensure your e-TAX software is up-to-date and consult e-TAX support resources for specific requirements related to smart card readers.

## 8. SPECIFICATIONS

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Feature	Description
<b>Brand</b>	IDENTIV
<b>Model</b>	SCR3310
<b>Media Type</b>	IC Card
<b>Connectivity Technology</b>	USB Type A
<b>Color</b>	Silver
<b>Smart Card Interface Speed</b>	Up to 600 kbps (kilobits per second)
<b>USB Interface Speed</b>	USB 2.0 Full Speed (12 Mbps)
<b>Recommended Media/File</b>	IC Card
<b>Operating System Compatibility</b>	Windows® XP/Vista/7/8/10 (32 and 64 bit), Windows® Server 2003/2008/2012, Windows® CE 6.0, 7.0, MacOS 10.5, 10.6.x, 10.7.x, 10.8.x, 10.9.x, 10.10.x, 10.11.x, Linux 2.4.x, 2.6.x, and 3.x (32 and 64 bit), Android 4.0 and higher
<b>Hardware Interface</b>	USB
<b>Product Weight</b>	0.2 pounds (approx. 90g)
<b>Cable Length</b>	1.5m (USB Type A connector)
<b>Status Indicator</b>	Green LED
<b>MTBF (Mean Time Between Failures)</b>	100,000 hours
<b>Dimensions (L x W x H)</b>	70 x 70 x 10 mm
<b>Operating Temperature Range</b>	0° to 50° C
<b>Storage Temperature Range</b>	-20° to 60° C
<b>Operating Humidity Range</b>	Up to 95% RH non-condensing



Figure 2: The compact size of the SCR3310, shown with approximate dimensions.



## SCR3310v2.0 USB Smart Card Reader

### Contact Smart Card Reader

- **READY TO USE**  
Driver support for all major PC operating systems
- **SUPPORTS ALL APPLICATIONS**  
Supports all major smart card ICs and technologies in just one device
- **FAST**  
Transaction time optimized for maximum end-user acceptance
- **CONVENIENT**  
Ultra-compact and robust design streamlined for mobile operation
- **SMARTOS™ POWERED**

Identiv's SCR3310v2 is the ideal PC-linked USB contact smart card reader for a wide variety of secure applications. Providing full compliance with all major industry standards, including ISO/IEC 7816, USB CCID, PC/SC, and Microsoft WHQL, the SCR3310v2 works seamlessly with virtually all contact smart cards and PC operating systems.

Full support and compliance to EMV 2011 and GSA FIPS 201 expands daily use to applications requiring additional security and data protection. SCR3310v2 represents the perfect mix between modern stylish design, ergonomic handling, and a compact footprint. The extended card data transmission rate of up to 600 kbps with the support of TA1=97 enables the shortest possible transaction time for maximum end-user convenience.

The Identiv-specific SmartOS™ features easy and complete support of all major contact smart cards. With SCR3310v2, the end user experiences convenience, transaction-time efficiency, security, and reliability for applications including network log-in, Windows authentication and Single Sign-On (SSO), banking and cashless payment applications, and high-security use cases for federal governments.

PARAMETER	SCR3310V2
Host Interface	USB 2.0 full speed (12 Mbps)
<b>Smart Card Interface</b>	
Supported Standards	<ul style="list-style-type: none"> <li>• ISO/IEC 7816 Part 1 to 4</li> <li>• EMV 2011 Ver 4.3 Level 1 (compliant)</li> </ul>
Supported Tag ICs	All major ISO/IEC 7816 compliant smart cards and synchronous cards
Smart Card Protocols	T=0, T=1, synchronous cards I2C and 3-wire
Smart Card Interface Speed	<ul style="list-style-type: none"> <li>• Up to 600 kbps</li> <li>• TA1=97</li> </ul>
Smart Card Clock Frequency	ISO/IEC 7816 compliant; Operates up to 16 MHz
Supported Smart Card Types	5V, 3V and 1.8V, ISO/IEC 7816 Class A/B/C
Power to Smart Card	60mA in Class A; 55mA in Class B; 35mA in Class C
Smart Card Detection	<ul style="list-style-type: none"> <li>• Card present switch</li> <li>• Automatic power on/off</li> <li>• Short circuit protection</li> </ul>
Card Size	ID-1
Contact Type	<ul style="list-style-type: none"> <li>• 8 pin ID-1 Sliding Contact Socket</li> <li>• C4/C8 support</li> <li>• Card detect switch</li> </ul>

Figure 3: Technical specifications overview for the SCR3310v2.0, including smart card interface details and supported standards.

IDENTIV		DATA SHEET
PARAMETER	SCR3310V2	
<b>Driver and Software</b>		
PC/SC Driver	PC/SC Specification Ver. 2.0 for: <ul style="list-style-type: none"> <li>Windows® XP/Vista/7/8/10 (32 and 64 bit)</li> <li>Windows® Server 2003/2008/2012</li> <li>Windows® CE 6.0, 7.0</li> <li>MacOS 10.5.x, 10.6.x, 10.7.x, 10.8.x, 10.9.x, 10.10.x, 10.11.x</li> <li>Linux 2.4.x, 2.6.x, and 3.x (32 and 64 bit)</li> <li>Android 4.0 and higher</li> </ul>	
Software	<ul style="list-style-type: none"> <li>PC/SC API</li> <li>CT-API (through wrapper on top of PC/SC)</li> <li>M-Card API (through wrapper on top of PC/SC)</li> </ul>	
<b>Operating Conditions</b>		
Power Supply	Bus-powered USB	
Power Consumption	<6mA excluding smart card; <20mA with standard card; <500µA in standby mode	
Dimensions	70 x 70 x 10 mm	
Operating Temperature Range	0° to 50° C	
Storage Temperature Range	-20° to 60°C	
Operating Humidity Range	Up to 95% RH non-condensing	
Durability	Sliding contact 100,000 card insertions	
MTBF	100,000 hours	
Cable	Cable: 1.5m long with USB type A connector	
Status Indicator	Green LED	
Firmware	SmartOS™	
Firmware In-Field Upgradeable	No	
<b>Certifications and Compliances</b>		
Systems/Standards	EMV 2011 Ver 4.3 Level 1 (compliant only), ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® HCK	
Regulatory/Environmental	CE, FCC, UL 60950, GSA APL, RoHS2, REACH, WEEE	
<b>Ordering Information</b>		
Product Part Number	905331	

  

Identiv, Inc. (NASDAQ: INVE) is the leading global player in physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything.

Identiv has offices worldwide. Addresses and phone numbers are listed at [identiv.com/contact](http://identiv.com/contact). For more information, visit [identiv.com](http://identiv.com) or email [sales@identiv.com](mailto:sales@identiv.com).

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Figure 4: Detailed technical specifications covering software compatibility, environmental conditions, physical dimensions, and reliability metrics.

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

The IDENTIV SCR3310 Smart Card Reader comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product or visit the official IDENTIV website for specific terms and conditions regarding warranty coverage.

## 9.2 Technical Support

For technical assistance, driver updates, or further inquiries, please visit the IDENTIV support website or contact their customer service. IDENTIV has offices worldwide, and contact information can be found on their official website.

Official Support Website: <https://www.identiv.com/contact>

Email: [sales@identiv.com](mailto:sales@identiv.com)