



# SCR3310 v2.0

## USB Contact Smart Card Reader / Writer



**This ultra-compact reader / writer is CAC and PIV-approved, and adapts for government, enterprise, or home use.**

Hirsch's SCR3310 v2.0 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, it 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 TAI=97 enables the shortest possible transaction time for maximum end user convenience.

The Hirsch-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

### High-Security Features

#### Convenient

- Ultra-compact and robust design

#### Supports all Applications

- Supports all major smart card ICs and technologies in just one device

#### Field Proven Firmware

- Powered by Hirsch-specific SmartOS™

#### Fast

- Transaction time optimized for maximum end-user acceptance

#### Connector Options

- Available with the choice of a USB Type-A or Type-C

## SCR3310v2.0

| Parameter                               | Details                                                                |
|-----------------------------------------|------------------------------------------------------------------------|
| <b>Host Interface</b>                   | USB 2.0 full speed                                                     |
| <b>Supported Standards</b>              | ISO/IEC 7816 Part 1 to 4, EMV 2011 Ver 4.3 Level 1 (compliant)         |
| <b>Supported Smart Card Types</b>       | 5V, 3V and 1.8V, ISO/IEC 7816 Class A/B/C                              |
| <b>Smart Card Interface</b>             | ID1 8 pin sliding contact, Card present switch, C4/C8 support          |
| <b>Smart Card Protocols</b>             | T=0, T=1, synchronous cards I2C and 3-wire                             |
| <b>Data Transfer Rate</b>               | Up to 600 kbps (depending on card), TA1=97                             |
| <b>Smart Card Detection</b>             | Card present switch; Automatic power on/off; Short circuit protection  |
| <b>Power to Smart Card</b>              | 60mA in Class A; 55mA in Class B; 35mA in Class C                      |
| <b>Smart Card Clock Frequency</b>       | ISO/IEC 7816 compliant; Operates up to 16 MHz                          |
| <b>Operating Conditions</b>             |                                                                        |
| <b>Power &amp; Communication</b>        | USB 2.0 Bus-powered                                                    |
| <b>Power Consumption &amp; Delivery</b> | < 6mA, excluding smart card; 20 mA incl. smart card < 500µA in standby |
| <b>Dimensions</b>                       | 72 x 70 x 14 mm (2.83 x 2.75 x 0.55 in)                                |
| <b>Weight</b>                           | 60 g ± 5% (0.15 lb ± 5%)                                               |
| <b>Operating Temperature Range</b>      | 0° to 50° C (32° to 122° F)                                            |
| <b>Storage Temperature Range</b>        | -20° to 60° C (-4° to 140° F)                                          |
| <b>Operating Humidity Range</b>         | Up to 90% RH non-condensing                                            |
| <b>Durability</b>                       | Sliding contact 100,000 card insertions                                |
| <b>MTBF</b>                             | 100.000 hours                                                          |
| <b>Connector</b>                        | 1.5m USB cable with USB type A or type C connector                     |
| <b>Status Indicator</b>                 | Green LED                                                              |
| <b>Firmware</b>                         | SmartOS™                                                               |
| <b>Firmware In-Field Upgradeable</b>    | No                                                                     |

## SCR3310v2.0 Continued

| Parameter                          | Details                                                                                                                                                                                                                                                                                                            |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Driver and Software</b>         |                                                                                                                                                                                                                                                                                                                    |
| <b>PC/SC Driver</b>                | PC/SC Specification Ver. 2. 04. 14. for: <ul style="list-style-type: none"> <li>• Windows® 7/8/10/11 (32 and 64 bit)</li> <li>• Windows® Server 2008/2012/2016/2019/2022</li> <li>• macOS 10.9.x - 15.x</li> <li>• Linux 2.x- 6.x (32 and 64 bit)</li> <li>• Android 8.0 and later</li> <li>• Chrome OS</li> </ul> |
| <b>Software</b>                    | PC/SC API, CT-API (through wrapper on top of PC/SC),<br>M-Card API (through wrapper on top of PC/SC)                                                                                                                                                                                                               |
| <b>Certifications / Compliance</b> |                                                                                                                                                                                                                                                                                                                    |
| <b>Systems/Standards</b>           | EMV 20011 V4.3 Level 1(compliant only), ISO/IEC 7816, USB 2.0, CCID, Microsoft® WHQL                                                                                                                                                                                                                               |
| <b>Regulatory/Environmental</b>    | CE, FCC, UL60950, IEC 62368-1, UKCA, VCCI, ICES, ANZ, GSA APL, RoHS3, REACH, WEEE, TAA(USA), BIS                                                                                                                                                                                                                   |
| <b>Product Part Number</b>         | 905331 (USB-A)<br>905331-6 (USB-C)                                                                                                                                                                                                                                                                                 |

We are committed to ensuring that all of our products are PFAS-free and that the minerals used are responsibly sourced. Through rigorous due diligence and adherence to industry standards, we strive to provide products that are safe, sustainable, and ethically produced.