



# uTrust SmartFold SCR3500 Family

## Ultra-Compact Portable Contact Smart Card Readers



CAC and PIV-approved PC-linked USB contact smart card readers secure data on-the-go.

The uTrust SmartFold SCR3500 is the ideal smart card reader family for a huge variety of mobile applications. Providing full compliance with all major industry standards, such as ISO/IEC 7816, USB CCID, PC/SC, and Microsoft WHQL, SCR3500 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 very specific applications requiring additional security and data protection.

With its ultra-compact yet reliable design and mechanical functionality, SCR3500 is the ideal travel companion for mobile users requiring the same level of data protection required for desktop applications.

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 Hirsch-specific SmartOS easily supports all major contact smart cards. The Hirsch driver platform and Windows® Plug-and-Play driver support allow seamless integration into any end-user environment with very little or no administration.

Experience convenience, transaction time efficiency, security, and reliability for applications such as network login, Windows authentication and Single Sign-On (SSO), banking and cashless payment applications, as well as high-security use cases for federal governments.

### Convenient

- Ultra-compact and robust, designed for easy and ergonomic operation in limited space environments

### Supports All Applications

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

### Interoperable

- Supports major contactless card ICs, standards, and technologies

### Fast

- Transaction time optimized for maximum end-user acceptance
- Ready-to-use driver support for all major PC operating systems

**SmartOS™ Powered**

## uTrust SmartFold SCR3500 Family

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>	48 x 20 x 12 mm (1.889 x 0.787 x 0.472 in)
<b>Weight</b>	10/12g (0.022/0.026 lb) depending on product option
<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>	500,000 hours
<b>Connector</b>	USB connector A, B (50mm) or C depending on family member
<b>Status Indicator</b>	LED
<b>Firmware</b>	SmartOS™
<b>Firmware In-Field Upgradeable</b>	No

## uTrust SmartFold SCR3500 Family 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> </ul>
<b>Software</b>	PC/SC API, CT-API (through wrapper on top of PC/SC), Hirsch Android CCID Library
<b>Certifications / Compliance</b>	
<b>Systems/Standards</b>	EMV 2011 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, RoHS2, REACH, WEEE, TAA(USA), BIS
<b>Product Part Number</b>	905430-1 (USB-A) 905434-1 (Micro-USB) 905559-1 (USB-C) 905559-8 (USB-C OnBoard Connector)

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.