



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 TA1=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

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

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

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Parameter	Details
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2.04.14. for: <ul style="list-style-type: none"> • Windows® 7/8/10/11 (32 and 64 bit) • Windows® Server 2008/2012/2016/2019/2022 • macOS 10.9.x - 15.x • Linux 2.x- 6.x (32 and 64 bit) • Android 8.0 and later • Chrome OS
Software	PC/SC API, CT-API (through wrapper on top of PC/SC), M-Card API (through wrapper on top of PC/SC)
Certifications / Compliance	
Systems/Standards	EMV 20011 V4.3 Level 1(compliant only), ISO/IEC 7816, USB 2.0, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, FCC, UL60950, IEC 62368-1, UKCA, VCCI, ICES, ANZ, GSA APL, RoHS3, REACH, WEEE, TAA(USA), BIS
Product Part Number	905331 (USB-A) 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.