



uTrust 4711 F

13.56 MHz Contactless Smart Card Reader/Writer with SAM



Secure identification with contactless, NFC, and optional SAM in a single device.

uTrust 4711 F is the ideal combination of contactless and near field communication (NFC) technologies protected by an optional Secure Access Module (SAM). This PC-linked dual interface reader works in end user environments where virtually all types of credentials are used, even in mixed populations.

With its all-in-one concept, uTrust 4711 F enables a smooth transition from well-established traditional technologies into emerging NFC applications, pushing new business. It represents the perfect mix between modern, stylish design and the ergonomic use of any credential formfactor, like ID-1

cards, tokens, or NFC-enabled smartphones. With its protected SAM socket, uTrust 4711 conveniently adds security to most contactless applications.

Experience convenience, transaction time efficiency, security, flexibility, and full NFC capability for applications such as network logon, secure web based transactions, and even NFC based customer loyalty programs.

User Convenience

- Modern design optimized for easy and ergonomic operation, even in limited space environments

Convergent

- Features contact, contactless, Lascom, and NFC technologies for use with mixed credential populations

Interoperable

- Supports major card ICs, standards, and technologies in just one device

Fast

- Transaction time optimized with support of 848 kbps in ISO/IEC 14443 and 600 kbps in ISO/IEC 7816 for maximum end user acceptance

SmartOS™ Powered

uTrust 4711 F

Parameter	Details
Supported Standards	ISO/IEC 7816 ID-000, Class A/B/C support, T=0 , T=1 protocol
Supported Smart Card Types	ISO/IEC 7816 voltage classes A/B/C (5V, 3.3V, 1.8V)
Smart Card Clock Frequency	ISO/IEC 7816 compliant up to 5 MHz; Operates up to 12 MHz
Smart Card Interface Speed	Up to 600 kbps (depending on card), TA1=97
Contact Card Size	ID-000 (Mini SIM card format 25mm × 15mm)
Contact Type	8-pin ID-000 socket; C4/C8 support; Socket lock function; SAM detect switch
Supported Contactless Standards	ISO/IEC 14443 A&B Part 1 - 4
Protocols	T=CL
Supported Contactless Card ICs	MIFARE® Classic Family, MIFARE Ultralight Family, MIFARE Plus Family, MIFARE DESFire Family, FeliCa™, Calypso, CD21, NFC Forum Tag Types 1/2/3/4
Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
Antenna	Integrated
Operating Conditions	
Power & Communication	USB 2.0 full speed; 12 Mbps
Power Consumption	<120 mA excluding SAM; <185 mA with SAM; <500 µA in standby mode
Dimensions	113 x 93 x 21 mm (4.449 x 3.661 x 0.827 in) With stand foot kit: 100 x 93 x 92 mm (3.937 x 3.661 x 3.622 in)
Weight	105 g ± 5% (0.23 lb ± 5%) With stand foot kit: 167 g ± 5% (0.37 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 95% RH non-condensing
Durability	Sliding contact 100,000 card insertions
MTBF	100.000 hours
Connector	1.5m USB cable with USB type A connector
Status Indicator	Dual color LED
Firmware	SmartOST™
Firmware In-Field Upgradeable	Yes

uTrust 4711 F Continued

Parameter	Details
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2. 04. 14. for: 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 higher, 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; Hirsch Android USB-CCID library)
Certifications / Compliance	
Systems/Standards	ISO/IEC 7816, ISO/IEC 14443, ISO/IEC 18092, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, FCC, UL60950, IEC 62368-1, UKCA, VCCI, ICES, ANZ, GSA APL, RoHS3, REACH, WEEE, TAA(USA), BIS, RED 2014/53/EU
Product Part Number	905565-1 905412 (Stand foot and Card Holder kit)

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.