



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 form

factor, like ID-1 cards, tokens, or NFC-enabled smart phones. With its protected SAM socket, uTrust 4711 conveniently adds security to most contactless applications.

Experience convenience, transactiontime 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 housing design optimized for easy and ergonomic operation, even in limited space environments

Convergent

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

Interoperable

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

Fast

- Transaction time optimized with support of 848 kpbs in ISO/IEC 14443 and 600 kpbs in ISO/IEC 7816

Parameter	Details
Host Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Communication Speed	12 Mbps (USB 2.0 full speed)
Supported Standards	ISO/IEC 7816 Part 1 to 4
Supported Card ICs	All major ISO/IEC 7816 compliant Smart Card IC support
Contact Smart Card Protocols	T=0, T=1
Smart Card Interface Speed	Up to 600 kbps (depending on card) TA1=97
Smart Card Clock Frequency	ISO/IEC 7816 compliant up to 5 MHz; Operates up to 12 MHz
Supported Smart Card Types	ISO/IEC 7816 voltage classes A/B/C (5V, 3.3V, 1.8V)
Power to Smart Card	60mA in Class A; 55mA in Class B; 35mA in Class C
Smart Card Detection	Card present switch; Automatic power on/off; Short circuit protection
Contact Card Size	ID-000 (Min i SIM card format 25 mm x 15mm)
Durability	Sliding Contact 100,000 card insertions
Contact Type	8-pin ID-000 socket; C4/C8 support; Socket lock function; SAM detect switch
Supported Standards	ISO/IEC 14443 A&B Part 1 - 4
Contactless Smart Card 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
PC/SC DRIVER	PC/SC Specification Ver. 2.01.14 for: <ul style="list-style-type: none"> • Windows® 7/8/10/11 (32 and 64 bit) • Windows® Server 2008/2012/2016/2019 • WindowsXP • MacOS 10.9.x - 12.2.x • Linux 2.6.x, and 3.x, 4.x, 5.x (32 and 64 bit) • Android 8.0 and higher
Software	PC/SC API; CT-API (through wrapper on top of PC/SC); MCARD API (through wrapper on top of PC/SC); Identiv Android USB-CCID library
Power Supply	Bus-powered USB
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
MTBF	100,000 hours
Connector	USB Type A Connector
Status Indicator	LED
Firmware	Identiv SmartOS™
Firmware In-Field Upgradeable	Yes
Systems/Standards	ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	RED 2014/53/EU, FCC, UL60950, VCCI, RoHS2, REACH, WEEE
Product Part Number	905565-1