uTrust 4711 F

13.56 MHz Contactless Smart Card Reader/Writer with SAM

■ **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

Identiv's uTrust 4711 F Contactless Smart Card Reader/Writer with SAM is the ideal combination of contactless and near field communication (NFC) technologies protected by an optional Secure Access Modules (SAM) in a single device. Supporting ISO/IEC 7816 SAM, 13.56 MHz contactless technology, and NFC, this PC-linked dual interface reader features 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 F conveniently adds security to most contactless applications. The user experiences 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.

PARAMETER	UTRUST 4711 F
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	5V, 3V, and 1.8V, ISO/IEC 7816 Class A/B/C
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

PARAMETER	UTRUST 4711 F
Contact Card Size	ID-000 (Min i SIM card fo rma t 25 m m × 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 Tags/ICs	MIFARE® Classic, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Plus, MIFARE DESFire EV1/EV2/EV3, FeliCa™, Calypso, CD21, NFC Forum Tag types 1/2/3/4, my-d move – SLE 66RxxYP, my-d move NFC – SLE 66RxxPN, SLE 66RxxS, SLE 55RxxE, iClass through iClass SAM
Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
Operating Distance	• Up to 70 mm (2.756 in) depending on card chip type and card antenna size • Up to 10 mm (0.394 in) for Lascom Cards
Antenna	Integrated
PC/SC Driver	PC/SC Specification Ver. 2.01.14 for: • Windows® 7/8/8.1/10 (32 and 64 Bit); Windows® Server 2003/2008/2012 • MacOS 10.10.x - 10.15.x • Linux 2.6.x, 3.x, 4.x, 5.x (32 and 64 Bit) • Android 4.0 and higher
Software	• PC/SC API • CT-API (through wrapper on top of PC/SC) • Synchronous-API (through wrapper on top of PC/SC) • Identiv Android USB-CCID library
Power Supply	USB Bus-powered
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	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