



## uTrust 4701 F

### Dual Interface Smart Card Reader

- **USER CONVENIENCE**  
 Modern housing 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

Identiv's uTrust 4701 F is the ideal combination of contact, contactless, and NFC technologies in just one single device. Supporting ISO/IEC 7816 contact cards, 13.56 MHz contactless technology, and NFC, this PC-linked dual interface reader features end-user environments where virtually all kinds of credentials are being used, even in mixed populations.

With its all-in-one concept, the uTrust 4701 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. The end user experiences convenience, transaction-time efficiency, security, flexibility, and full NFC capability for use applications such as network log-on, secure web-based transactions, governmental use applications like online tax declarations, or even NFC-based customer loyalty programs.

*Advisory note: Identiv is rebranding the CLOUD products under the uTrust brand name. If you have further questions, please use the contact details provided below.*

PARAMETER	UTRUST 4701 F
Host Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Communication Speed	12 Mbps (USB 2.0 full speed)
Supported Standards	Supported Standards
Supported Tag ICs	All major ISO/IEC 7816 compliant Smart Card IC support
Smart Card Protocols	T=0, T=1
Smart Card Interface Speed	<ul style="list-style-type: none"> <li>Up to 600 kbps (depending on card)</li> <li>TA1=97</li> </ul>
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	<ul style="list-style-type: none"> <li>Card present switch</li> <li>Automatic power on/off</li> <li>Short circuit protection</li> </ul>
Card Size	ID-1

PARAMETER	UTRUST 4701 F
Contact Type	Sliding Contact Socket (8 pin)
Supported Standards	<ul style="list-style-type: none"> <li>• ISO 14443 Part 1 to 4</li> <li>• ISO 18092</li> </ul>
Protocols	T=CL
Supported Card Chips	<ul style="list-style-type: none"> <li>• Lascom Cards</li> <li>• MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), FeliCa™, Calypso, CD21, NFC Forum Tag types 1/2/3/4</li> </ul>
Data Transfer Rate	<ul style="list-style-type: none"> <li>• Up to 10 mm/0.394 in for Lascom Cards</li> <li>• Up to 70 mm/2.756 in (depending on card chip type and card antenna size)</li> </ul>
Antenna	Integrated
PC/SC Driver	PC/SC Specification Ver. 2.01.14 for: <ul style="list-style-type: none"> <li>• Windows® 7 / 8 / 8.1 / 10 (32 and 64 Bit)</li> <li>• Windows® Server 2003/2008/2012</li> <li>• MacOS 10.10.x, 10.11.x, 10.12.x</li> <li>• Linux 2.6.x (32 and 64 Bit), 3.x</li> </ul>
Software	<ul style="list-style-type: none"> <li>• PC/SC API</li> <li>• CT-API (through wrapper on top of PC/SC)</li> <li>• M-Card API (through wrapper on top of PC/SC)</li> </ul>
Power Supply	Bus-powered USB
Power Consumption	<220 mA, excluding smart card; < 400 mA, with smart card; < 600 µA in Standby Mode
Dimensions	<ul style="list-style-type: none"> <li>• 126 x 93 x 21 mm (4.961 x 3.661 x 0.827 in)</li> <li>• With stand foot kit: 128 x 93 x 90 mm (4.449 x 3.661 x 3.622 in)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 117 g ± 5% (0.26 lb ± 5%)</li> <li>• With stand foot kit: 167 g ± 5% (0.368 lb ± 5%)</li> </ul>
Operating Temperature Range	-20° to 70°C (-4° to 158°F)
Storage Temperature Range	-25° to 85 C (-13° to 185° F)
Operating Humidity Range	Up to 95% RH non-condensing
Durability	Sliding Contact 100,000 card insertions
MTBF	~ 4M hours
Connector	1.5 m USB Cable with USB Type A Connector
Status Indicator	Dual color 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, UL94, UL60950, VCCI, RFLJ, RoHS2, REACH, WEEE
Ordering Information	
Product Part Number	905504-1

Identiv, Inc. (NASDAQ: INVE) is a global provider of physical security and secure identification. Identiv's products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv's access and identification solutions. Identiv's mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything.

Identiv has offices worldwide. Addresses and phone numbers are listed at [identiv.com/contact](http://identiv.com/contact). For more information, visit [identiv.com](http://identiv.com) or email [sales@identiv.com](mailto:sales@identiv.com).

Technical data is subject to change without notice.

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## uTrust 4711 F

### Contactless Smart Card Reader 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 kbps in ISO/IEC 14443 and 600 kbps in ISO/IEC 7816

Identiv's uTrust 4711 F Contactless Smart Card Reader with SAM is the ideal combination of contactless and near field communication (NFC) technologies protected by an optional Secure Access Modules (SAM) in just one 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 use applications. The end user experiences convenience, transaction-time efficiency, security, flexibility, and full NFC capability for use applications such as network logon, secure web based transactions, and even NFC based customer loyalty programs.

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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 Tag ICs	All major ISO/IEC 7816 compliant Smart Card IC support
Smart Card Protocols	T=0, T=1
Smart Card Interface Speed	<ul style="list-style-type: none"> <li>Up to 600 kbps (depending on card)</li> <li>TA1=97</li> </ul>
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	<ul style="list-style-type: none"> <li>Card present switch</li> <li>Automatic power on/off</li> <li>Short circuit protection</li> </ul>

PARAMETER	UTRUST 4711 F
Card Size	ID-000
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
Protocols	T=CL, MIFARE™
Supported Tags/ICs	MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), FeliCa™, Calypso, CD21, NFC Forum Tag Types 1/2/3/4, and Lascom Cards
Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
Reading Distance	<ul style="list-style-type: none"> <li>• Up to 70 mm (2.756 in) depending on card chip type and card antenna size</li> <li>• Up to 10 mm (0.394 in) for Lascom Cards</li> </ul>
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, 10.11.x, 10.12.x; Linux 2.6.x (32 and 64 Bit), 3.x; Android 4.0 and higher
Software	<ul style="list-style-type: none"> <li>• PC/SC API</li> <li>• CT-API (through wrapper on top of PC/SC)</li> <li>• Synchronous-API (through wrapper on top of PC/SC)</li> <li>• Identiv Android CCID library</li> </ul>
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
Durability	Sliding contact 100,000 card insertions
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

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