



## uTrust 4701 F

Dual Interface 13.56MHz - ISO/IEC7816 Smart Card

- **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 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, from ID-1 cards, key fobs, 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.

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	ISO/IEC 7816, ISO/IEC 14443, ISO/IEC 18092
Supported Contact Card ICs	All major ISO/IEC 7816 compliant Smart Card IC support
Contact 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 Card Slot	ID-1 Sliding Contact Socket (8 pin)
Durability	Sliding Contact 100,000 card insertions
Supported Contactless Standards	ISO/IEC 14443, ISO/IEC 18092
Protocols	T=CL
Supported contactless Card ICs	MIFARE Classic, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Plus, MIFARE DESFire EV1/EV2/EV3, FeliCa™, Calypso, CD21, iClass with iClass SAM, NFC Forum Tag Types 1/2/3/4, Lascom
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"> <li>Windows® 7 / 8 / 8.1 / 10 (32 and 64 Bit)</li> <li>Windows® Server 2003/2008/2012</li> <li>MacOS 10.10.x - 10.15.x</li> <li>Linux 2.6.x, 3.x, 4.x, 5.x (32 and 64 Bit)</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
MTBF	~ 4M hours
Host Interface 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, CE, 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).

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