IDENTIV

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	• 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
Card Size	ID-1

PARAMETER	UTRUST 4701 F
Contact Type	Sliding Contact Socket (8 pin)
Supported Standards	• ISO 14443 Part 1 to 4 • ISO 18092
Protocols	T=CL
Supported Card Chips	• Lascom Cards • MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), FeliCa™, Calypso, CD21, NFC Forum Tag types 1/2/3/4
Data Transfer Rate	• Up to10 mm/0.394 in for Lascom Cards • Up to 70 mm/2.756 in (depending on card chip type and card antenna size)
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
Software	• PC/SC API • CT-API (through wrapper on top of PC/SC) • M-Card API (through wrapper on top of PC/SC)
Power Supply	Bus-powered USB
Power Consumption	<220 mA, excluding smart card; < 400 mA, with smart card; < 600 µA in Standby Mode
Dimensions	• 126 x 93 x 21 mm (4.961 x 3.661 x 0.827 in) • With stand foot kit: 128 x 93 x 90 mm (4.449 x 3.661 x 3.622 in)
Weight	• 117 g ± 5% (0.26 lb ± 5%) • With stand foot kit: 167 g ± 5% (0.368 lb ± 5%)
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	CE, FCC, UL94, UL60950, VCCI, RFLJ, RoHS2, REACH, WEEE
Ordering Information	
Product Part Number	905504-1; 905320-1

Identiv (NASDQ: INVE) is the leading global player in 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. For more information, visit identiv.com or email sales@identiv.com.

Technical data is subject to change without notice.