uTrust 4701 F

Dual Interface Smart Card Reader/Writer



Get secure contact ISO/IEC 7816 and contactless 13.56 MHz technologies in one device.

uTrust 4701 F is the ideal combination of contact, contactless, and near field communication (NFC) technologies. Supporting ISO/IEC 7816 contact cards, 13.56 MHz contactless technology, and NFC, this PC-linked dual interface reader works in end-user environments where virtually all kinds of credentials are being used, even in mixed populations.

With its all-in-one concept, 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, including ID-1 cards, key fobs, tokens, or NFC-enabled smart phones. Experience convenience, transaction-time efficiency, security, flexibility, and full NFC capability for applications such as network log-on, secure web-based transactions, government use cases like online tax declarations, or even NFC-based customer loyalty programs.

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 ISO/IEC 14443 and 600 kbps in ISO/IEC 7816 for maximum end-user acceptance

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/IEC7816, ISO/IEC14443, ISO/IEC18092
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	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
Card Size	ID-1
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 Family, MIFARE Ultralight Family, MIFARE Plus Family, MIFARE DESFire Family, FeliCa™, Calypso, CD21, 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: • 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); 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
Status Indicator	Dual color LED
Firmware	Identiv SmartOS™
Firmware In-Field Upgradeable	Yes
Systems/Standards	ISO/IEC 7816, ISO/IEC 14443, ISO/IEC 18092, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	RED 2014/53/EU, FCC, CE, UL94, UL60950, VCCI, RFLJ, RoHS2, REACH, WEEE
Product Part Number	905504-1

Identiv (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, video analytics and a wide range of RFID-enabled applications.
For more information, visit identiv.com or email sales@identiv.com.

© Identiv, Inc. | All rights reserved. This document is Identiv public information.
All trademarks, logos, and brand names are the property of their respective owners.