



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 smartphones. Experience convenience, transaction-time efficiency, security, flexibility, and full NFC capability for applications such as network logon, secure web-based transactions, government use cases like online tax declarations, or even NFC-based customer loyalty programs.

High-Security Features

Convenient

- 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 and Convenient

- Transaction time optimized with support of 848 kbps in ISO/IEC 14443 and 600 kbps in ISO/IEC 7816 for maximum end user acceptance

SMARTOS™ Powered

uTrust 4701 F

Parameter	Details
Supported Standards	ISO/IEC 7816 ID1, Class A/B/C support, T=0 , T=1 protocol EMV 2011 Ver 4.3 Level 1
Supported Smart Card Types	ISO/IEC 7816 voltage classes A/B/C (5V, 3.3V, 1.8V)
Smart Card Interface	ID1 8 pin sliding contact, Card present switch, C4/C8 support, Automatic power on/off; Short circuit protection
Smart Card Interface Speed	Up to 600 kbps (depending on card), TA1=97
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, Lasscom
Contactless Data Transfer Rate	106/212/424/848 kbits/s, depending on card IC
Antenna	Integrated
Operating Conditions	
Power & Communication	USB 2.0 Bus-powered
Power Consumption & Delivery	<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	100.000 hours
Connector	1.5m USB cable with USB type A connector
Status Indicator	Dual color LED
Firmware	SmartOS™
Firmware In-Field Upgradeable	Yes

uTrust 4701 F Continued

Parameter	Details
Driver and Software	
PC/SC Driver	PC/SC Specification Ver. 2. 04. 14. for: Windows® 7/8/10/11 (32 and 64 bit), Windows® Server 2008/2012/2016/2019/2022, macOS 10.9.x - 15.x, Linux 2.x - 6.x (32 and 64 bit), Android 8.0 and higher, Chrome OS
Software	PC/SC API, CT-API (through wrapper on top of PC/SC), M-Card API (through wrapper on top of PC/SC)
Certifications / Compliance	
Systems/Standards	ISO/IEC 7816, ISO/IEC 14443, ISO/IEC 18092, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory/Environmental	CE, FCC, UL60950, IEC 62368-1, UKCA, VCCI, ICES, ANZ, GSA APL, RoHS3, REACH, WEEE, TAA(USA), BIS, RED 2014/53/EU
Product Part Number	905504-6 905412 (Stand foot and Card Holder kit)

We are committed to ensuring that all of our products are PFAS-free and that the minerals used are responsibly sourced. Through rigorous due diligence and adherence to industry standards, we strive to provide products that are safe, sustainable, and ethically produced.