MARKLAND

uTrust2700R

USB Contact Smart Card Reader / Writer

Application-ready CAC and PIV-approved reader features optional stand base.

uTrust 2700 R is the ideal PC-linked USB contact smart card reader for a huge variety of secure applications. Providing full compliance with all major industry standards, including ISO/IEC 7816, USB CCID, PC/SC, and Microsoft WHQL, uTrust 2700 R works with virtually all contact smart cards and PC operating systems.

Full support and compliance to EMV 2008 and GSA FIPS 201 expand daily use to applications requiring additional security and data protection.

It represents the perfect mix between modern stylish design, ergonomic handling, and a compact foot print.

The extended card data transmission rate of up to 600 kbps with the support of TA1=97 enables the shortest possible transaction time for maximum end-user convenience.

The Identiv-speciffc SmartOS™ easily supports all major contact smart cards.

With uTrust 2700 R, experience convenience, transaction-time efficiency, security, and reliability for network log-in, Windows authentication and Single Sign-On (SSO), banking and cashless payment applications, as well as high-security use cases for federal governments

Convenient
• Ultra-compact and robust design
• Available in USB-A or USB-C

Supports All Applications
• Supports ISO/IEC 7816 ID1 contact smart cards

Interoperable
• Supports major contactless card ICs, standards, and technologies

Fast and Convenient
• Transaction time optimized for maximum end-user acceptance • Ready-to-use driver support for all PC and MAC OS

Field Proven Firmware
• Powered by Identiv-specific SmartOS™

Optional Accessory
• Stand base kit

MARKLAND DATA SHEET

Parameter	Details
Host Interface	USB 2.0 CCID (USB 1.1/3.0 compliant)
Communication Speed	12 Mbps (USB 2.0 full speed)
Support	
Supported Standards	ISO/IEC 7816 Part 1 to 4, EMV 2011 Ver 4.3 Level 1 (compliant)
Supported Tag ICs	All major ISO/IEC 7816 compliant smart cards and synchronous cards
Smart Card Protocols	T=0, T=1, synchronous cards I2C and 3-wire
Smart Card Interface Speed	• Up to 600 kbps (depending on card) • TA1=97
Smart Card Clock Frequency	ISO/IEC 7816 compliant; Operates up to 16 MHz
Supported Smart Card Types	5V, 3V, and 1.8V; ISO 7816 smart card Class A, B, and 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
Contact Type	• 8 pin ID-1 Sliding Contact Socket • C4/C8 support • Card present switch
Driver and Software	
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)
Operating Conditions	
Power Supply	USB Bus-powered
Power Consumption	<6mA excluding smart card; <20mA with standard card; <500μA in standby mode
Dimensions(L x W x H)	70 x 60 x16mm 70 x 63 x 62 mm (with stand base)
Weight	66g ± 5% ；204 g ± 5%　(with stand base)
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
MFBF	100,000hours
Connector	1.5m USB cable with USB type A connector
Status Indicator	LED
Firmware	SmartOS™
Firmware In-Field Upgradeable	No
Certifications / Compliance	
Systems/Standards	EMV 2008 V4.2 Level 1, ISO/IEC7816, USB 2.0, CCID, Microsoft® WHQ
Regulatory/Environmental	CE, FCC, UL94, UL60950, VCCI, ICES, ANZ, HBCI, GSA APL, RoHS2, REACH, WEEE

*TECHNICAL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE.

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For more information:
www.mttek.hk
www.markland.com.cn