

# uTrust 2700 R USB C

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

The full support and compliance to EMV 2008 and GSA FIPS 201 expand the use to very specific use 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 600kBit/s with the support of

TA1=97 enables shortest possible transaction times for maximum end user convenience.

The specific SmartOS is featuring an easy and complete support of all major contact smart cards.

The end user experiences convenience, transaction time efficiency, security and reliability for use applications like network

log-in, Windows authentication & Single Sign-On (SSO), banking and cashless payment applications as well as high security use cases for federal governments.



## Host Interface

- USB C
- 12 Mbps (USB 2.0 full speed)

## SmartCard Interface

Supported standards

- ISO/IEC 7816 Part 1 to 4
- EMV 2008 Ver 4.2 Level 1

Supported Tag ICs

All major ISO/IEC 7816 compliant Smart Card IC support

Protocols

T=0, T=1

Interface speed

- up to 600 kBit/s (depending on card)
- TA1=97

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

Smart card detection

- Card present switch
- Automatic power on/off

- Short Circuit protection

Card size  
ID-1

Contact type  
Sliding Contact Socket (8 pin)

#### **Driver& Software**

PC/SC driver  
PC/SC Specification Ver. 2.01.09 for

Software

- PC/SC API
- CT-API (through wrapper on top of PC/SC)
- Synchronous-API (through wrapper on top of PC/SC)
- M-Card API (through wrapper on top of PC/SC)

#### **Operating System**

- Windows XP/Vista/7/8/10 (32&64Bit) / Windows Server 2003/2008/2012 Windows CE 6.0, 7.0
- MAC OS 10.5.x, 10.6.x, 10.7.x, 10.8.x
- Linux 2.4.x, 2.6.x (32&64Bit)

Power supply  
USB Bus powered

Dimension  
70x60x16mm

Weight  
66 g

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 Contacts 100.000 Card Insertions

MTBF  
100.000 hours

Connector  
1.5m USB Cable with USB Type C Connector

Status indicator

LED

Firmware  
SmartOS

Firmware in-field upgradeable  
No

**Certifications / Compliances**

Systems / Standards

EMV 2008 Ver 4. Level 1, ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft WHQL

Regulatory / Environmental

CE, FCC, UL94, UL60950, VCCI, ICES, ANZ, CNS, HBCI, GSAAPL, RoHS2, REACH, WEEE

**Article No .**

775-0046-04

**Accessories**

Standing base - Article No. 775-0045-01