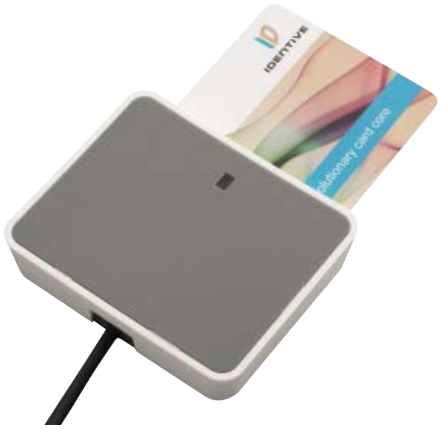
CLOUD 2700 R

Contact Smart Card Reader



- **Ready to use**
  Driver support for all major PC operating systems
- **All application ready**
  Supports all major smart card ICs and technologies in just one device
- **Fast**
  Transaction time optimized for maximum end user acceptance
- **User Convenience**
  Modern design optimized for easy and ergonomic operation
- **SmartOS™ powered**

Typical Applications

The Identive CLOUD 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 CLOUD 2700 R seamlessly works with virtually all 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 Identive 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.

Optional Accessory:

CLOUD 2700 R with optional Stand Holder

- Easy conversion into a vertical insertion card reader for enhanced, ergonomic user experience
- Flexible and fast adoption to application specific use case
- Reader can be ordered with pre-assembled stand holder

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Contact Smart Card Reader

Parameter	CLOUD 2700R	CLOUD 2700R with Stand Holder
Host Interface		
Type	USB 2.0 CCID (USB 1.1 / 3.0 compliant)	
Communication Speed	12 Mbps (USB2.0 full speed)	
Smart Card 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	
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 detect switch	
Driver& Software		
PC/SC driver	PC/SC Specification Ver. 2.01.09 for • Windows® XP/Vista/7/8 (32&64Bit) / Windows® Server 2003/2008/2012 / Windows® CE 6.0, 7.0 • MacOS 10.5.x, 10.6.x, 10.7.x, 10.8.x • Linux 2.4.x, 2.6.x (32&64Bit)	
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 Conditions		
Power supply	USB Bus powered	
Power consumption	< 6mA, excluding smart card; <500µA in Standby Mode	
Dimension	70x60x16mm / 2.756x2.362x0.629 Inch	70x63x62mm / 2.756x2.480x2.441 Inch
Weight	66 g ± 5% / 0.15 lb ± 5%	204 g ± 5% / 0.45 lb ± 5%
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 A Connector	
Status indicator	LED	
Firmware	SmartOS™	
Firmware in-field upgradeable	No	
Certifications / Compliances		
Systems / Standards	EMV 2008 Ver 4.2 Level 1, ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL	
Regulatory / Environmental	CE, FCC, UL94, UL60950, VCCI, ICES, ANZ, CNS, HBCI, GSA APL, RoHS2, REACH, WEEE	
Ordering Information		
Product Part Number	905369	905369-1912

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Technical data are subject to change without notice.

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