



IDENTIVE

CLOUD 2910 R

Smart Fold - Mobile Android Contact Smart Card Reader



- **Ready to use**
CCID Library for Android based Tablet computers and Smart Phones
- **All application ready**
Supports all major smart card ICs and technologies in just one device
- **Fast**
Transaction time optimized for maximum user acceptance
- **User Convenience**
Ultra compact, robust and flexible design optimized for operation on Smart Phones and Tablet computers
- **SmartOS™ powered**

Typical Applications

The Identive Smart Fold CLOUD 2910 R is the ideal USB contact smart card reader for a wide variety of mobile applications running on Android based tablet computers and Smart Phones. Providing full compliance with all major industry standards such as ISO/IEC 7816, USB CCID and PC/SC the CLOUD 2910 R seamlessly works with virtually all contact smart cards.

The full support and compliance to EMV 2008 and GSA FIPS 201 expand the daily use of very specific applications requiring additional security and data protection.

With its ultra-compact and yet reliable genuine Identive design and mechanical functionality it is the ideal travel companion for mobile users requiring the same level of data protection as for desktop applications. Utilizing the devices' Micro USB connector with a short USB cable provides a maximum of user convenience and adds mechanical reliability.

The extended card data transmission rate of up to 600kBit/s with the support of TA1=97 enables shortest possible transaction times for maximum user convenience.

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

The Identive driver platform, the Windows® Plug-and-Play driver support and the Identive Android CCID Library allow a seamless integration into any windows mobile or Android end-user environment with very little or no administration.

The 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.





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Parameter	CLOUD 2910R
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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • up to 600 kBit/s (depending on card) • TA1=97
Clock frequency	ISO/IEC 7816 compliant up to 5 MHz, Operates up to 16 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	<ul style="list-style-type: none"> • Card present switch • Automatic power on/off • Short Circuit protection
Card size	ID-1
Contact type	Sliding Contact Socket (8 pin); C4/C8 support; Card detect switch
Driver & Software	
Driver	Identive Android CCID Library required
Software	Identive Android CCID Library
Operating Conditions	
Power supply	USB Bus powered
Power consumption	< 6mA, excluding smart card; <500µA in Standby Mode
Dimension	Reader: 48x20x12mm / 1.889x0.787x0.472 Inch
Weight	10 g ± 5% / 0.02 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	5 cm / 2 Inch cable with Micro USB 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, CCID,
Regulatory / Environmental	CE, FCC, UL94, UL60950, VCCI, ICES, ANZ, CNS, HBCI, GSA APL, RoHS2, REACH, WEEE
Ordering Information	
Product Part Number	905434

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Technical data are subject to change without notice.

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