

# **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

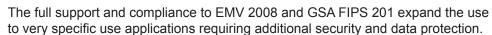
#### ■ User Convenience

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.



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.



## CLOUD 2700 R with pre-assembled optional Standing Base Kit

- 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 standing base kit





















# **CLOUD 2700 R**

### **Contact Smart Card Reader**

Parameter	Identive CLOUD 2700R	
Host Interface		
Host Interface	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	Sliding Contact Socket (8 pin)	
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 (with optional Standing Base Kit)	
Weight	66 g ± 5% / 0.15 lb ± 5%     204 g ± 5% / 0.45 lb ± 5% (with optional Standing Base Kit)	
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	CLOUD 2700 R: 905369 / CLOUD 2700 R with pre-assembled standing base kit: 905369-1912	
EMVCo approval of the interface module	e (IFM) contained in this Terminal shall mean only that the IFM has been tested in accordance and for sufficient conformance with the EMV Specifications, Version	

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Technical data are subject to change without notice.

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# **CLOUD 2700 F**

### **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

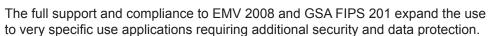
#### ■ User Convenience

Modern design optimized for easy and ergonomic operation

SmartOS™ powered

### **Typical Applications**

The Identive CLOUD 2700 F 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 F seamlessly works with virtually all contact smart cards and PC operating systems.



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™ featuring a secure in-field firmware update to ensure a future proof investment.

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.



#### CLOUD 2700 F with pre-assembled optional Standing Base Kit

- 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 standing base kit





















# **CLOUD 2700 F**

### **Contact Smart Card Reader**

Parameter	Identive CLOUD 2700F	
Host Interface		
Host Interface	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 Ver4.2 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	Sliding Contact Socket (8 pin)	
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	< 25mA, excluding smart card; <500μA in Standby Mode	
Dimension	70x60x16mm / 2.756x2.362x0.629 Inch     70x63x62mm / 2.756x2.480x2.441 Inch (with optional Standing Base Kit)	
Weight	66 g ± 5% / 0.15 lb ± 5%     204 g ± 5% / 0.45 lb ± 5% (with optional Standing Base Kit)	
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	Yes	
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	CLOUD 2700 F: 905399 / CLOUD 2700 F with pre-assembled standing base kit: 905399-1911	
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