



**IDENTIVE**

# CLOUD 4710 F

Contactless Desktop Reader



- **User Convenience**  
Modern housing design optimized for easy and ergonomic operation
- **Convergence**  
Featuring SAM protection, contactless and NFC technologies for use with mixed credential populations
- **Interoperable**  
Supports major card ICs, standards and technologies in just one device
- **Fast**  
Transaction time optimized with support of 848kBit/s in ISO/IEC 14443 and 600kBit/s in ISO/IEC7816 for maximum end user acceptance

## Typical Applications

The CLOUD 4710 F is the ideal combination of contactless and NFC technologies protected by an optional SAM in just one single device.

Supporting ISO/IEC 7816 Secure Access Modules, 13.56MHz contactless technology and NFC this PC-linked dual interface reader is featuring end user environments where virtually all kinds of credentials are being used, even in mixed populations.

With its all in one concept the CLOUD 4710 F enables a smooth transition from well-established traditional technologies into the emerging NFC applications pushing new business.

It represents the perfect mix between modern, stylish design and ergonomic use of any credential form factor like ID-1 cards, tokens or NFC enabled smart phones.

With its protected SAM socket the CLOUD 4710 F conveniently adds security to most contactless use applications.

The end user experiences convenience, transaction time efficiency, security, flexibility and full NFC capability for use applications such as network log-on, secure web based transactions or even NFC based customer loyalty programs.



## Optional Accessory:

### CLOUD 4710 F with optional Standing Base Kit

- User Convenience – even more end user friendly reader presentation
- Flexibility – Best reader positioning and orientation for mounting situation and ease of use
- Fitting ready - Desktop mounting option, including wall mount (CLOUD 4710 F only)
- Reader can be ordered with pre-assembled standing base kit





# CLOUD 4710 F

## Contactless Desktop Reader

Parameter	Identive CLOUD 4710F
<b>Host Interface</b>	
Host Interface	• USB 2.0 CCID (USB 1.1 / 3.0 compliant)
Communication Speed	• 12 Mbps (USB2.0 full speed)
<b>Smart Card Interface</b>	
Supported standards	ISO/IEC 7816 Part 1 to 4
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 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	Card present switch / Automatic power on/off / Short Circuit protection
Card size	ID000
Contact type	• 8-pin ID000 Socket • C4/C8 support • Socket lock function • SAM detect switch
<b>Contactless Interface</b>	
Supported standards	ISO/IEC 14443 A&B Part 1-4
Protocols	T=CL, MIFARE™
Supported card chips	MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), FeliCa™, Calypso, CD21, NFC Forum Tag Types 1/2/3/4
Data transfer rate	106/212/424/848 kbit/s depending on card IC
Reading distance	Up to 70 mm / 2,756 Inch depending on card chip type and card antenna size
Antenna	Integrated
<b>Driver &amp; Software</b>	
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)
<b>Operating Conditions</b>	
Power supply	USB Bus powered
Power consumption	< 120 mA, excluding SAM; < 185 mA, with SAM; < 500 µA in Standby Mode
Dimension	113x93x21mm / 4.449x3.661x0.827 Inch; 100x93x92mm / 3.937x3.661x3.622 Inch (with optional Standing Base Kit)
Weight	105 g ± 5% / 0.23 lb ± 5%; 167 g ± 5% / 0.37 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 in-field upgradeable	Yes
<b>Certifications / Compliances</b>	
Systems / Standards	ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory / Environmental	CE, FCC, UL94, RoHS2, REACH
<b>Order Information</b>	
Product Part Number	CLOUD 4710 F: 905324 / CLOUD 4710 F with optional standing base kit: 905324-1914

Technical data are subject to change without notice.

## Contacts

**Identive GmbH**  
Oskar-Messter-Str. 13  
85737 Ismaning  
Germany

**Identive Group, Inc**  
1900-B Carnegie Avenue  
Santa Ana, CA 92705  
USA

**Identive KK**  
GoogolPlex Millennium Building 6F  
4-4-20 Shiba, Minato-ku,  
Tokyo, 108-0014, Japan

**Identive GmbH**  
Unit 11, 4607-11,  
The CENTRE  
99 Queen's Road Central  
Hong Kong

Phone + 49 89 9595 5000  
sales@identive-infrastructure.com

Phone + 1 888 446 9008  
scmsales@identive-infrastructure.com

Phone + 81 3 6414 6611  
sales@identive-infrastructure.co.jp

Phone + 91 44 2254 0020  
sales@identive-infrastructure.com