



IDENTIVE

CLOUD 4700 F

Dual Interface Desktop Reader



■ User Convenience

Modern housing design optimized for easy and ergonomic operation

■ Convergence

Featuring contact, 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 14443 and 600kBit/s in ISO7816 for maximum end user acceptance

Typical Applications

The CLOUD 4700 F is the ideal combination of contact, contactless and NFC technologies in just one single device.

Supporting ISO 7816 contact cards, 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.

The all in one concept enables a smooth transition from well-established traditional technologies into the emerging NFC applications driving new business.



It represents the perfect mix between modern, stylish design and ergonomic use of any credential form factor like ID1 cards, tokens or NFC enabled smart phones.

With its protected SAM socket the CLOUD 4710 F conveniently adds security like two factor authentication 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:

Standing Base Kit

Optional Standing Base Kit for Identive CLOUD 4700 F and Identive CLOUD 4710 F

- **User Convenience** – even more end user friendly reader presentation
- **Flexibility** – Reader positioning and orientation for mounting situation and ease of use



CLOUD 4700 F

Dual Interface Desktop Reader

Parameter	Identive CLOUD 4700F	Identive CLOUD 4710F
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 7816 Part 1 to 4	
Supported Tag ICs	All major ISO 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 7816 compliant up to 5 MHz, Operates up to 16 MHz	
Supported smart card types	5V, 3V and 1.8V, ISO 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	ID1	ID000
Contact type	<ul style="list-style-type: none"> • 8 pin ID1 Sliding Contact Socket • C4/C8 support • Card detect switch 	<ul style="list-style-type: none"> • 8-pin ID000 Socket • Socket lock function • SAM detect switch
Contactless Interface		
Supported standards	ISO 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	
Data transfer rate	106/212/424/848 kbit/s depending on card IC	
Reading distance	Up to 70 mm depending on card chip type and card antenna size	
Antenna	Integrated	
Driver & Software		
PC/SC driver	PC/SC Specification Ver. 2.01.09 for <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • PC/SC API • CT-API (through wrapper on top of PC/SC) • Synchronous-API (through wrapper on top of PC/SC) 	
Operating Conditions		
Power supply	USB Bus powered	
Power consumption	< 120 mA, excluding smart card/SAM; < 185 mA, with smart card/SAM; < 500 µA in Standby Mode	
Dimension	126x93x21mm / 4.961x3.661x0.827 Inch 113x93x92mm / 4.449x3.661x3.622 Inch (with optional Standing Base Kit)	113x93x21mm / 4.449x3.661x0.827 Inch 100x93x92mm / 3.937x3.661x3.622 Inch (with optional Standing Base Kit)
Weight	117 g ± 5% / 0.26 lb ± 5% 179 g ± 5% / 0.39 lb ± 5% (with optional Standing Base Kit)	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	Yes
Certifications / Compliances		
Systems / Standards	ISO 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL	
Regulatory / Environmental	CE, FCC, UL94, RoHS2, REACH	

Technical data are subject to change without notice.

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