



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/IEC 14443 and 600kBit/s in ISO/IEC7816 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/IEC 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.

With its all in one concept the CLOUD 4700 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.

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 4700 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
- Reader can be ordered with pre-assembled standing base kit



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CLOUD 4700 F

Dual Interface Desktop Reader

Parameter	Identive CLOUD 4700F
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
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	ID1
Contact type	• 8 pin ID1 Sliding Contact Socket • C4/C8 support • Card detect switch
Contactless Interface	
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
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)
Operating Conditions	
Power supply	USB Bus powered
Power consumption	< 120 mA, excluding smart card; < 185 mA, with smart card; < 500 µA in Standby Mode
Dimension	126x93x21mm / 4.961x3.661x0.827 Inch; 113x93x92mm / 4.449x3.661x3.622 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)
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
Certifications / Compliances	
Systems / Standards	ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory / Environmental	CE, FCC, UL94, RoHS2, REACH
Ordering Information	
Product Part Number	CLOUD 4700 F: 905320 / CLOUD 4700 F with standing base kit: 905320-1913

Technical data are subject to change without notice.

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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



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CLOUD 4710 F

Contactless Desktop Reader

Parameter	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/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
Contactless Interface	
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
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)
Operating Conditions	
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
Certifications / Compliances	
Systems / Standards	ISO/IEC 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL
Regulatory / Environmental	CE, FCC, UL94, RoHS2, REACH
Order Information	
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.

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