CLOUD 4700 F

IDENTIVE

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.

ISO18092

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 wellestablished 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 contact-less 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

Host Interface	Parameter	Identive CLOUD 4700F	Identive CLOUD 4710F	
Communication Speed 1.2 Mbps (USB2.0 full speed) Samp Card Inferface Supported standards ISD 7816 Part 1 to 4 ISD 7816 compilant Smart Card IC support Protocols T=0, T=1 Interface year Up to 800 kBit/s (depending on card); TA1=97 Clock frequency ISD 7816 compilant up to 5 MHz, Operates up to 16 MHz Up to 800 kBit/s (depending on card); TA1=97 Clock frequency ISD 7816 Cards with Incluse is East SME Up to 800 kBit/s (depending on card); TA1=97 Clock frequency ISD 7816 Cards with Incluse is East SME Up to 800 kBit/s (depending on card); TA1=97 Clock frequency ISD 7816 Cards with Incluse is East SME Up to 16 kBit/s (depending on card); TA1=97 Contact standard 400 Am In Clase is 25 SmA in Clase is E. 35 mAn in Clase is Card standards ISD 7816 Card standards ID 000 Contact type - \$ pin ID1 Silling Contact Socket - \$ pin ID000 Socket - \$ pin ID1 Silling Contact Socket - \$ pin ID000 Socket - \$ pin ID000 Socket - \$ pin ID1 Silling Contact Socket - \$ pin ID000 Socket <	Host Interface			
Supported standards So 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 kBib's (depending on card): TAT=97 Clock frequency ISO 7816 compliant up to 5 MHz. Operates up to 16 MHz. Supported smart card types 50, 7816 compliant up to 5 MHz. Operates up to 16 MHz. Power to smart card Gon'a I. Class A, 5578 in Class B, 35874 in Cla				
Supported Tag (Cs) All major ISO 7816 compliant Smart Card IC support Frotecois Test (supported Standards) Test (supported Standards) Test (supported Standards) Test (supported Standards) N. 37 and 1.8% ISO 7816 Class ABISC Power to smart card supposed 60mA in Class A, 55mA in Class B, 35mA in Class B. Test (ard detection Card present switch / Automatic power on/off / Short Circuit protection Card size ID11 ID000 Contact type -8 pin ID15 (sliding Contact Socket - 2 card detect switch) -8 pin ID000 Socket - 3 pin ID000 Socket - 2 card detect switch -8 pin ID000 Socket - 3 pin ID000 Socket - 3 pin ID000 Socket - 2 card detect switch -9 pin ID000 Socket - 3 pin ID000 Socket - 3 pin ID000 Socket - 2 pin ID000 Socket - 2 card detect switch -9 pin ID000 Socket - 3 pin ID000 Socket - 3 pin ID000 Socket - 2 pin ID000 Soc	Smart Card Interface			
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Protocols	• • •			
Supported smart card types		T=0, T=1		
Supported smart card types				
Supported smart card types	•			
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Smart card detection Card present switch / Automatic power on/off / Short Circuit protection Card size ID1 ID000 Contact type - 8 pin ID1 Silding Contact Socket - C4/C8 support - Card detect switch - 8-pin ID000 Socket - Socket lock function - SAM detect switch Contact type 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 24/8k), FeliCa™, Calypso Data transfer rate 106/212/42/48/48 kblt/s depending on card IC Reading distance Up to 70 mm depending on card clip type and card antenna size— Protocols Software PC/SC Specification Ver. 2.01.09 for "Windows% Very Nata/78 (2384681)* / Windows% Server 2003/208/2012 / Windows% CE 6.0, 7.0 "Microsoftware" "PC/SC Age	,.			
Card size				
Spin ID1 Sliding Contact Socket Scicket lock function Scale took function Scale				
Supported standards ISO 14443 A&B Part 1-4 Protocols T=CL, MIFARE™ Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), FeliCa™, Calypso Data transfer rate 106/212/42/4848 kbil/s depending on card ic Reading distance Up to 70 mm depending on card chip type and card antenna siz— Antenna Integrated Driver& Software PC/SC Specification Ver 2 01.09 for "Windows® XF/Vistal" (828648It)) / Windows® Server 2003/2012 / Windows® CE 6.0, 7.0 "Windows® XF/Vistal" (828648It)) Software PC/SC API "Windows® XF/Vistal" (828648It) / Windows® Server 2003/2012 / Windows® CE 6.0, 7.0 "Windows® XF/Vistal" (828648It)) Software PC/SC API "Windows® XF/Vistal" (828648It) / Windows® Server 2003/2012 / Windows® CE 6.0, 7.0 "Windows® XF/Vistal" (828648It)) Power supply PC/SC API "C'API (through wrapper on top of PC/SC) synchronous-API (through wrapper on top of PC/SC) synchronous-API (through wrapper on top of PC/SC) *** Insulate Api		8 pin ID1 Sliding Contact Socket C4/C8 support	8-pin ID000 Socket Socket lock function	
Protocols	Contactless Interface			
Supported card chips MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire DESFire DESFire Callon, 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 PC/SC Specification Ver. 2.01.09 for - Vindows® XP/Nistar/78 (32&648th) / Windows® Server 2003/2008/2012 / Windows® CE 6.0, 7.0 - Vindows® XP/Nistar/78 (32&648th) Software - PC/SC API - VICTAPI (through wrapper on top of PC/SC) - Synchronous-API (through wrapper on top of PC/SC) - Synchronous-API (through wrapper on top of PC/SC) Power supply USB Bus powered Power consumption < 120 mA, excluding smart card/SAM; < 185 mA, with smart card/SAM; < 500 µA in Standby Mode	Supported standards	ISO 14443 A&B Part 1-4		
Data transfer rate 106/212/424/848 k bit/s depending on card IC Reading distance Up to 70 mm depending on card chip type and card antenna size Antenna Integrated PC/SC Software 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 "Windows® XP/Vista/7/8 (32&64Bit)" Windows® Server 2003/2008/2012 / Windows® CE 6.0, 7.0 "According to the color of the color o	Protocols	T=CL, MIFARE™		
Reading distance Up to 70 mm depending on card chip type and card antenna size Antenna Integrated Driver& Software PC/SC Griver PC/SC Specification Ver. 2.01.09 for MacOS 1.0.5.x, 10.6.x, 10.7.x, 10.8.x - Linux 2.4.x, 2.6.x (32864Bit) / Windows® Server 2003/208/2012 / Windows® CE 6.0, 7.0 - MacOS 1.0.5.x, 10.6.x, 10.7.x, 10.8.x - Linux 2.4.x, 2.6.x (32864Bit) Software PC/SC API (through wrapper on top of PC/SC) - Synchronous-API (through wrapper on top of PC/SC) - Synchronous-API (through wrapper on top of PC/SC) Operating Conditions 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 / 4.49x3.661x3.622 Inch (with optional Standing Base Kit) 113x93x21mm / 4.49x3.661x3.622 Inch (with optional Standing Base Kit) Weight 117 g ± 5% / 0.26 lb ± 5% (198 g ± 5% (198 g ± 5%)	Supported card chips	MIFARE™ (Classic, Ultralight, Ultralight C, MIFARE PLUS, DESFire, DESFire EV1 2/4/8k), FeliCa™, Calypso		
Antenna Integrated Driver& Software PC/SC driver PC/SC Specification Ver. 2.01.09 for	Data transfer rate			
Driver& Software PC/SC driver PC/SC Specification Ver. 2.01.09 for	Reading distance	Up to 70 mm depending on card chip type and card antenna size		
PC/SC driver PC/SC Specification Ver. 2.01.09 for	Antenna	Integrated		
Windows® XP/Nsta7/8 (32864Bit) / Windows® Server 2003/2008/2012 / Windows® CE 6.0, 7.0	Driver& Software			
CT-API (through wrapper on top of PC/SC)	PC/SC driver	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		
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% (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 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL	Software	CT-API (through wrapper on top of PC/SC)		
Power consumption < 120 mA, excluding smart card/SAM; < 185 mA, with smart card/SAM; < 500 µA in Standby Mode	Operating Conditions			
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179 g ± 5% / 0.39 lb ± 5% (with optional Standing Base Kit) Operating temperature range Storage temperature range O° to +50°C / +32 to +122 F Storage temperature range Operating humidity range Up to 95% RH non condensing Durability Sliding Contacts 100.000 Card Insertions MTBF 100.000 hours Connector Status indicator LED Firmware in-field upgradeable Systems / Standards ISO 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL	Dimension	113x93x92mm / 4.449x3.661x3.622 Inch (with optional	100x93x92mm / 3.937x3.661x3.622 Inch (with optional	
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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		Sliding Contacts 100.000 Card Insertions		
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Firmware in-field upgradeable Yes Yes Certifications / Compliances Systems / Standards ISO 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL	Connector	1.5m USB Cable with USB Type A Connector		
Certifications / Compliances Systems / Standards ISO 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL	Status indicator	LED		
Certifications / Compliances Systems / Standards ISO 7816, USB 2.0 Full Speed, CCID, Microsoft® WHQL	Firmware in-field upgradeable	Yes	Yes	
Regulatory / Environmental CE, FCC, UL94, RoHS2, REACH	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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