ELYCTIS

e-ID expert

MultiSlot USB Reader

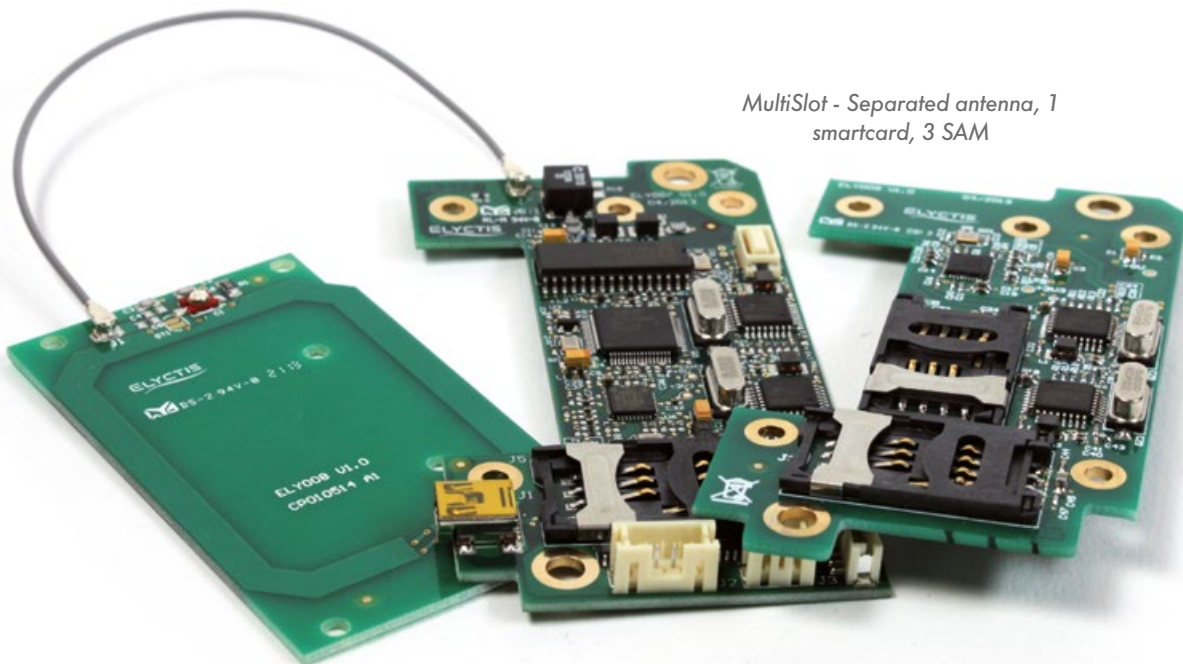*Flexible and performant contact and contactless reader*

ELYCTIS MultiSlot reader is a very flexible, high performance (interoperability, speed and security), fast and easy to customize product platform particularly optimized for managing electronic ID documents.

MultiSlot can be integrated on a wide variety of platform (Windows, Linux, Android) thanks to its CCID compliance in both contact and contactless.

ELYCTIS designs specific antennas in order to fit your environment (dimension and disturbance wise).

On top of the contactless interface management, MultiSlot can manage multiple contact interfaces (SAM or ISO format) providing more market coverage and security.

MultiSlot - Separated antenna, 1 smartcard, 3 SAM

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TECHNICAL SPECIFICATIONS

General	
Host Interface	USB 2.0 – full speed (12Mbps)
Protocol	USB CCID
Software	PC/SC 2.01 Compliance driver for WinXP, Win7, Win8, WinCE5.0, Win Server, Linux, Android PC/SC .Net Wrapper
Power Supply	USB bus powered
Power Consumption	Normal operating current: 200mA [1]
Storage Temp.	-40°C to +85°C
Operating Temp.	-20°C to +40°C
Reading Distance	Up to 8 cm depending on tag, antenna design and environnement [2]

NOTES

[1] Power consumption varies based on operating temperature, antenna size and type of card accessed

[2] Reading distance varies based on operating environment, antenne size and type of card accessed

Contactless	
Protocol	ISO14443 Part 1 to 4 type A/B T=CL & Mifare Complete Mifare Family supported (Ultralight, 1K, 4K, DESFire EV1 & EV2, Plus, ProX, SmartMX…)
Speed	Baudrate up to 848Kbps
FW	Field upgradable FW Support to configure RF Pass-through command to communicate with lower protocol layer

Multiple Contact	
Protocol	ISO 7816 - T=0 & T=1 EMV2011 4.3 level 1 Memory cards supported through M-Card API
Speed	Baudrate up to 600Kbps - TA1=97 supported
Clock frequency	ISO 7816 compliant up to 5MHz. Operates up to 12MHz
Supported types	5V, 3V and 1.8V, ISO 7816 Class A/B/C