



Leo

Secure smart card reader with secure PIN entry for professionals

A secure professional reader for electronic identity schemes

- Leo secure card reader is aimed at government offices and companies with a Public Key Infrastructure (PKI) looking for a secure desktop card reader to implement user authentication and electronic signature.
- Connected to the PC via a USB port, Leo provides the full flexibility needed by security applications for smart cards (the IAS-ECC standard, for example) and is easy to integrate work environments and market middleware.
- Leo complies with PC/SC v2 (part 10) standard.
- CC-EAL3+ certified, Leo is the secure card reader deployed in French government offices.



Security



Smartcard



USB

Secure
PIN Entry



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Secure PIN entry

- Leo features a secure PIN entry management that enables the user to locally enter his/her PIN code on the reader keyboard: this code is presented directly to the chip card, without going through the PC. This mode is indicated by the lighting of a padlock image on the reader lens.
- As no data is transferred to the PC during the PIN entry, there is no risk of compromising this sensitive data, even if the PC is running rogue software like Trojan horses, Keyloggers or other Spyware.
- Its design integrates all the requirements of international safety and protection standards.
- Leo contains no sensitive data nor secrets; security therefore cannot be compromised in case of loss or theft.

Ergonomics applied to professional use

- The design of the Leo secure reader provides enhanced ergonomics facilitating countertop or desktop use. The keyboard is ideally tilted to ease the PIN typing on large keypad.
- The dimensions and the angle of the display screen have been especially designed to provide excellent visibility. The card slot allows for easy use and includes a dust protection mechanism.
- Two LEDs are positioned on the lens to show that the reader is functioning properly and indicate the secure management of the PIN when Secure PIN Entry feature is enabled.
- A hanging system compliant with a standard lock (not included) is also available to attach the reader to the desktop securely.

NAME	Leo	
PC interface	Powered by USB 2.0 (& USB 1.1) full speed (12 Mbps)	
	PC/SC v2 with Secure PIN Entry (part 10)	
	USB CCID	
Smart card interface	ISO 7816	
	T=0 and T=1 protocols	
Supported smart cards	ISO 7816-1 to -4 (microprocessor smart cards)	
	Class A, B and C supported	
Screen	2 lines of 16 characters, 5x7 matrix	
Keypad	13 rubber keys	
Certifications	USB 2.0 full speed (and USB 1.1)	
	EMV Level 1	
	Microsoft WHQL	
	CE/RoHS	
Security	Common Criteria EAL3+	
	2 security labels for tamper evidence	
Supported environments	Microsoft	Windows 2000/XP/Vista 32-64 bit/Seven 32-64 bit
	MacOS	10.4 Tiger/10.5 Leopard/10.6 Snow Leopard/10.7 Lion
	Linux	
Size	113 x 78 x 62 mm	
Weight	270 g	

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