

## fingerprint 7120

Smart Cards are increasingly being used for applications such as Payments (e.g. Mondex, Visa-Cash, Amex, GeldKarte), Home-Banking, smartcard based Authentication (SingleSignOn), Digital Signature Internet-Security, e-commerce, PKI-Tokens, Healthcards, Loyalty etc.

Biometrics is needed for a more secure and convenient access to smartcards and applications. OMNIKEY's CardMan® fingerprint product-family facilitates the use of smartcards in combination with biometrics in PCs, Notebooks, Servers, PDAs and Set-Top-Boxes.

The silicon sensor utilizes the biometric fingerprint recognition method. Fingerprints have been used successfully to accurately identify individuals for more

than a century. European Courts accept that just matching twelve minutiae is enough for a legal identification. So the technology is well known to users and application providers.

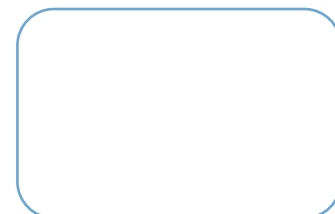
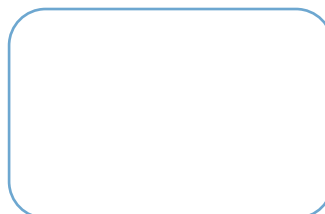
Use within an application is based on standardized interfaces like PC/SC, OCF (Opencard Framework) or CT-API, all in combination with the most important biometric Interface BioAPI. Generally drivers are available for:  
Windows 98, Windows 2000, Windows ME.

CardMan® fingerprint is designed as an OEM-product on which customer specific logos, colors or form-factors are possible. The technology is also available as Chip-Set.

## USB-Smart Card Reader with fingerprint sensor

Connection	USB (Universal Serial Bus)
Biometric Sensor	Capacitive Silicon Sensor
Cable length	180 cm
Power supply	USB
Card Contacting Unit	100 000 insertion cycles
Card power supply	60 mA
Status Indicator	Duo-LED
Transmission Speed	Fingerprint 3 frames/s Smartcard: 9 600 - 115 200 Baud
Protocols	T=0, T=1 SLE4418, SLE4428, SLE4432, SLE4442 Others on request
Drivers	PC/SC, Fingerprint-USB
Operating Systems	Windows 98, Windows 2000, Windows ME Others on request
Certifications	PC/SC planned
OEM	OEM-Logo possible Customer-specific colors
Status	Available in 3 <sup>rd</sup> Q 2001

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\* HBCI-Kernel is a registered trademark of SIZ GmbH, Bonn and GAD eG, Münster.

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