Trust Smart Card Reader Technology

We smart you up.

CardMan® 3621 USB

OMNIKEY, one of the world's leading manufacturers of innovative smart card readers, offers with the CardMan® 3621 a high-performance PIN pad reader for desktop usage. The CardMan® 3621 is an easy-to-install USB device particularly suited for online-banking or digital signature applications.

High-Speed

Based on revolutionary chip technology, jointly developed with Atmel, the class 2 PIN pad device CardMan® 3621 supports reader-to-card data transmission rates of up to 420 KBits per second, exceeding the performance of other smart card readers.

Standards

Because the CardMan® 3621 complies with all relevant industry standards (ISO 7816, EMV (Europay®, Mastercard®, Visa®) 2000, Microsoft® WHQL, USB CCID, PC/SC, HBCI (Home Banking Computer Interface, the PC-2001 Specification and many more) it is open for any smart card on any computer for any application.
The PIN pad reader is under evaluation for Common Criteria EAL 3+ certification.

Security-Features

The CardMan® 3621 allows for Secure PIN Entry (SPE) with its 16 keys integrated keypad. The content on the smart card is protected by a PIN (Personal Identification Number) to prevent unauthorized copying or use of the information stored on the card. The sensitive data is neither stored on the PC nor communicated via insecure PC/reader connection but remains in the card/reader environment.

Applications

Applications for the desktop PIN pad reader include digital signature, secure online banking and other online transactions, loyalty programs, healthcare solutions and many more future applications.
The usage within an application is based on standardized interfaces like PC/SC, OCF (Open Card Framework) or CT-API.

Add higher security to your smart card based transactions and use OMNIKEY's PIN pad reader!

CardMan® 3621

Host Interface	
USB 2.0 CCID[1] (also compliant with USB 1.1)	✓
Transmission speed	12 Mbps
Power supply	Bus powered
Smart Card Interface	
Compliant with ISO 7816 and EMV[2] 2000	✓
Supports T=0, T=1	✓
2-wire: SLE 4432/42 (S=10) 3-wire: SLE4418/28 (S=9)	✓
Supports I²C (S=8)	✓
Supports SLE 4404	✓
Card size	ID – 1 (full size)
High performance smart card interface (up to 420 Kbps when supported by card)	✓
Smart card clock frequency up to 8 MHz	✓
Supports 5V, 3V, and 1.8V smart cards	✓
Supplies 60 mA current to power the smart card	✓
Smart card movement detection with auto power-off	✓
Automatic detection of smart card type	✓
Short circuit and thermal protection	✓
User Interface	
Status indicator: Two LED (operation/secure mode)	✓
PIN Pad with 16 keys (4x4)	✓
Options	
Customer specific logo or label	✓
Customer specific colors	✓

Compliance and Certifications	
Microsoft® WHQL[3] certified	✓
EMV 2000 Level 1 certified	✓
ISO 7816	✓
HBCI[4]	✓
USB 2.0 (1.1 compatible)	✓
Common Criteria EAL 3+	Under evaluation
API	
PC/SC driver	✓
CT-API (on top of PC/SC)	✓
OCF (on top of PC/SC)	✓
PC/SC Driver Support	
Windows® 98	✓
Windows® ME	✓
Windows® 2000	✓
Windows® XP	✓
Linux®	✓
Embedded Technology	
Available (For further information please contact us)	✓
Hardware Specifications	
Colors	Two-tone gray (standard)
Dimensions	80 mm x 14 mm x 50 mm
Weight	173 gr
Operating temperature	10-55°C
Operating humidity	10-90% rH
Composition	ABS
Connector cable	180-200 cm
Durability	100.000 Insertions
Meantime between failure (MTBF)	500.000 Hours

1 = Chip Card Interface Device 2 = Europay® MasterCard® Visa® 3 = Windows® Hardware Quality Labs 4 = Homebanking Computer Interface

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