CardMan® 5125
PC-Linked 125 kHz HID® Proximity Reader

OMNIKEY, one of the world's leading manufacturers of innovative smart card readers, has developed a practical and affordable PC-linked desktop reader that works with your existing HID proximity cards. Implement new applications including log-on to Windows®, networks, and websites without re-badging!

OMNIKEY's CardMan 5125

The CardMan 5125 is a dual interface PC-linked desktop reader that reads the unique card number from an HID proximity card and reads/writes to virtually any contact smart card. The CardMan 5125 works with existing HID proximity cards; there is no need to re-badge to implement new applications. The dual interface feature economically supports end-user environments where both HID proximity and contact smart card technology may be needed.

Purpose of a Dual Interface Reader

As needs within the organization change, the addition of contact smart card capability allows users to increase security and add functionality without upgrading their desktop readers. In addition, the technology design incorporated in the CardMan 5125 meets the requirements of most IT directors and software providers. As the reader is PC/SC and Microsoft® WHQL compliant, proximity capability is easy to integrate.

Should you require support for 13.56 MHz contactless smart cards or contact smart card functionality only, OMNIKEY offers a diversified product portfolio that is designed to support any smart card for any application on any computer.

Supports HID Proximity Cards

Many organizations use an HID proximity card for building access and as a corporate or student ID. Based on a 125 kHz RFID interface that reads the unique number from HID proximity cards, the CardMan 5125 allows organizations to implement new PC-linked applications without the need to re-badge cardholders. From a 26-bit format to a Corporate 1000 format and everything in between, the CardMan 5125 is compatible. The USB connection makes installation fast. The versatile reader design offers users a variety of mounting and card presentation options. Simply choose a software application partner and see how affordable and easy it is to use your existing proximity card for new applications!

Supported Applications

The CardMan 5125 allows users to experience the convenience, speed, and security of HID proximity technology for applications including log-on to Windows, networks, websites. HID proximity technology and the CardMan 5125 can be used for any PC-linked application that can accept a unique card number as a basis for authorization.

If you are using an HID proximity card for building access and as a corporate or student ID, use the same card for PC-linked applications today!

Consistent with OMNIKEY's tradition of offering robust, technically superior firmware and driver support, the CardMan® 5125 guarantees the highest level of interoperability available on the market. By sharing the same state-of-the-art technology as the CardMan® 3121, OMNIKEY's contact smart card reader with USB interface, compliance with major standards such as ISO 7816, PC/SC, Microsoft® WHQL, and EMV Level 1 is guaranteed.

Use the slot as a cardholder mechanism for HID ISOProx® or DuoProx® cards.

Use a contact smart card in the same reader for your contact smart card applications!

CardMan® 5125

Host Interface	
USB 2.0 CCID[1] (also supports 1.1)	✓
Transmission speed	12 Mbps
Power supply	Bus powered

Contact Smart Card Interface	
Compliant with ISO 7816 and EMV [2] 2000 Level 1	✓
Supports T=0, T=1	✓
Supports 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	✓
8 pin handling (C4 / C8 supported)	✓

Contactless (RFID) Proximity Card Interface	
125 kHz Prox by HID	✓

Other Features	
LED status indicator (green=ready; red= busy)	✓
Reader can be placed horizontally or vertically on a heavy base (3.53 ounces) or adhered to a PC monitor with an attachment pad.	✓

Options	
Customer specific logo and/or label	On request
Customer specific colors	On request
Jumbo heavy base (15.13 ounces)	On request

Compliance	
Microsoft® WHQL[3]	✓
EMV 2000 Level 1	✓
ISO 7816	✓
USB 1.1 and 2.0	✓
CCID (contact interface only)	✓

API	
PC/SC driver	✓
CT-API (on top of PC/SC - for contact interface)	✓
OCF (on top of PC/SC - for contact interface)	✓
Synchronous API (on top of PC/SC)	✓

PC/SC Driver Support	
Windows® 98	✓
Windows® ME	✓
Windows® 2000	✓
Windows® XP	✓

Hardware Specifications	
Colors	Two-tone gray (standard)
Dimensions	3.15" x 2.64" x 1.1" (80 mm x 67 mm x 28 mm)
Weight (including heavy base and adapter)	7.1 ounces / 200 gr
Operating temperature	32-131°F / 10-55°C
Operating humidity	10-90% rH
Composition	ABS
Connector cable	74.8" / 180 cm
Durability	100,000 Insertions
Meantime between failure (MTBF)	500,000 Hours

Safety and Environmental Standards	
CE	✓
FCC	✓
UL	✓

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

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