



OMNIKEY® 5321 CR USB Reader



WATERPROOF CONTACTLESS USB SMART CARD READER FOR HYGIENIC ENVIRONMENTS

- **Designed for User Convenience** – Innovative and stylish housing design for easy contactless operation in clean room and germ-free environments
- **Versatile Applications** – Ideal for end-user environments where a wide range of contactless smart card technologies are in use
- **Fast Contactless Transmission** – Supports contactless smart cards up to 848 Kbps in fastest ISO 14443 A/B
- **Readily Compliant** – Supports HID iCLASS® and MIFARE®, as well as ISO 14443 A / B and ISO 15693

ADDITIONAL PRODUCT FEATURES:

CONTACTLESS SMART CARDS SUPPORTED:

- HID: iCLASS®
- NXP: MIFARE®, MIFARE Plus, DESFire®, SMART-MX and iCODE
- Texas Instruments: TagIT®
- ST Micro: x-ident, SR 176, SR 1X 4K
- Infineon: my-d™ (in secure mode UID only)
- Atmel: AT088RF020
- KSW MicroTech: KSW TempSens
- iCODE SLI, iCODE SL2 & LRI 64
- Contactless 2048-bit key generation in RSA mode (JCOP/SMART-MX)

Finished in a stylish, waterproof housing, the OMNIKEY® 5321 CR reader is ideal for contactless technology applications where high demands for hygiene, such as manufacturing sites, hospitals, clean room environments or anywhere that a sleek and modern reader is desired. A PC-linked reader that reads / writes to 13.56 MHz contactless smart cards in all three HF standards, the OMNIKEY 5321 CR economically supports end-user environments where a variety of contactless cards and tags are used.

Utilizing contactless smart card technology for PC-linked applications, the OMNIKEY® 5321 CR device allows users to experience

the convenience, speed and security of contactless technology for applications, including log-on to Windows®, networks, web sites and applications for the secure storage of user names, passwords and personal information. Additionally, the OMNIKEY 5321 CR supports HID on the Desktop™ as part of a three component solution, including a HID technology card, reader and naviGO® software, enabling logical access in hygienic or virtually any environment. Equally suited for mobile and laptop usage, the reader supports all relevant operating systems, ensuring worldwide compliance and easy integration in any system.

FEATURES:

- Uniquely designed sealed housing supports clean room requirements
- Supports three ISO standards for contactless cards (ISO 14443 A / B and 15693) and Microsoft WHQL. Supports contactless smart cards with up to 848 Kbps in the fastest ISO 14443 transmission mode. Standard application interfaces include PC / SC, Synchronous-API (on top of PC / SC)
- EMD suppression capabilities allow high transmission speed and full secure read support for smart cards and passports.

SPECIFICATIONS

Base Model Number	OMNIKEY® 5321 CR USB
Dimensions	4.72" x 3.54" x 0.94" (120 x 90 x 24 mm)
Weight	Approx. 7.48 oz (212 g)
Power Supply	Bus powered
Housing Protection Class	IP67
Operating Temperature	32-131 °F (0-55 °C)
Storage / Transport Temperature	-4 to 185 °F (-20 to +85 °C)
Operating Humidity	10-90% rH
HOST INTERFACE	
Host Interface	USB 2.0 (also compliant with USB 1.1)
Transmission Speed	12 Mbps (USB 2.0 full speed)
CONTACTLESS SMART CARD INTERFACE	
Protocols	T=CL, MIFARE®, iCLASS® / ISO 14443 A with 848 Kbps transmission rate (depending on card), ISO 14443 B with 848 Kbps transmission rate (depending on card), ISO 15693 with 26 Kbps transmission rate (depending on card)
Supported APIs	PC / SC driver (ready for 2.01), Synchronous API (on top of PC / SC)
PC / SC Driver Support	Windows® XP / Vista / Windows 7 / Windows 8, 2003 / 2008 Server, Windows® CE 5.0 / CE.NET / CE 6.0 (depending on hardware), Linux® and Mac® OS X
Status Indicator	Dual-color LED (green = ready, red = busy)
Reader Board	Also available as PCB
Color	White
Options	Customer-specific logo, label and colors: available upon request
Composition	PC
Connector Cable	70.9" (180 cm)
Meantime Between Failure (MTBF)	500,000 hours
Compliance / Certification	Microsoft WHQL ¹ , Ingress Protection Class IP67, ISO 14443A+B, ISO 15693
Safety / Environmental	CE, FCC, UL, RoHS, WEEE
Warranty	Two-year manufacturer's warranty. (For drivers, see complete lifetime support policy.)

1 = Windows® Hardware Quality Lab

