

Omnikey 5023 CL USB contactless reader - Dark Blue



The Omnikey 5023 reader from HID is a 13.56MHz contactless smartcard reader that works with a wide range of high frequency physical access card types including iClass Seos, iClass SE, iClass , MIFARE Classic, MIFARE DESFire, as well as dual-interface (T=CL) smartcards that conform to ISO14443.

This reader has been integrated and tested with HID Global's ActivID ActivClient, ActivID Applets and HID Trusted Tag service. It uses the Omnikey driver platform to provide Windows Plug-and-Play support, which allows the reader to be used in most end-user environments with minimal administrator support.

This is an enhanced version of the old Omnikey 5021 CL and 5022 CL readers. It has the same small and stylish case, but contains an additional cryptographic module, to accommodate the Secure Identity Object (SIO) security scheme used by newer iClass SE and iClass Seos cards. Dedicated software is required to read these card types.

Compatible with Read-a-Card for Windows, including support for reading iClass Seos and iClass SE cards and credentials.

There is also a handy card retainer that will fit this reader and a mounting bracket is available.

Omnikey part number R50230318-DB

USB contactless, high frequency reader from Omnikey including compatibility with iClass SE, SEOS and SIO-enabled credentials

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~859/p/index.shtml>

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

Omnikey 5023 CL USB contactless reader

Technical Specifications

Dimensions: 59mm x 59mm x 11.4mm (2.32in x 2.32in x 0.44in)

Case: Polycarbonate, body light grey, cover dark blue

Weight: ~2.5oz (70g)

Power Supply: 5V USB powered

Cable length: 1.5m (59.1in)

Connector: USB Type-A

Operating Temperature: 0 to 70degC (32 to 158degF)

Storage Temperature: -40 to 80degC (-4 to 176degF)

Operating Humidity: 10-95% rH (non-condensing)

MTBF: 500,000hrs

Host Interface

USB CCID (Standard 2.0 Type A connector), USB3.0 extended operability tested with hubs/controllers

Transmission Speed: 12 Mbps (USB full speed)

Contactless Smartcard Interface

Supports: T=CL, MIFARE ISO 14443A/B up to 848kbps, iClass SE / Seos (read only), Felica (UID only), NFC tag types 1, 2, 3 and 4

Human Interface

Status Indicator: White LED

Compliance / Certification

RoHS2, WEEE, Reach, USB 2.0, UKCA (UK), CE (Europe), FCC (USA), UL (Canada), KCC (Korea), RCM (Aus/NZ)

Operating System support

Windows 11,10, 8.1, 8, 7

Windows Server 2016, 2012, 2008 R2

Linux Debian 6.0+, Ubuntu 11.04+, Fedora 15+, Open SUSE 11.4+

Mac OS X, Android 4.x- 7.x

Manufacturer's part number: R50230318-DB

Two year manufacturer's warranty

Country of origin: China

HSF code: 84719000

Manufacturer: Omnikey

Connection Method: USB