Omnikey 3021

The 3021 USB reader from Omnikey (previously the CardMan CM3021) is a versatile contact card reader, in an unusual transparent housing with a blue LED.

This reader is fully PC/SC compliant and supports all ISO 7816 microprocessor-based smartcards. It also meets USB 2.0 and CCID specifications with no need to install drivers.

Works with Windows, Linux, MacOS and Android.

The CardMan 3021 uses the same technology as Omnikey's leading CardMan 3121 reader and boasts both great performance and quality.

Omnikey part number R30210315-1

Limited stock remaining
Cost effective USB horizontal style contact reader in transparent housing with blue LED. Uses the same technology as the Omnikey 3121. Two year warranty.

To buy, visit:
https://www.smartcardfocus.com/shop/ilp/id~133/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.

©2026 DOT ORIGIN LTD

Technical Specifications

Product:

Credential type(s): Contact

Form factor: Desktop

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

OS support: Windows 11,10, 8.1, 8, 7, Vista, XP; Windows Server 2012, 2008 R2; Linux ; Mac OS; Android

Contact Smartcard Interface:

Contact interface standard: ISO 7816

Contact card types: Contact chip - standard sized card, Processor cards (T=0 and T=1) and Memory cards following the 2WBP, 3WPB or I2C bus protocol

Data transmission protocol: T=0 / T=1

Contact read/write speed: 420kbps

Clock frequency: Up to 12MHz

Card insertion cycles: Min 100 000

Host Interface:

Host interface standards: PC/SC

Host data transmission speed (wired): 12 Mbps (USB full speed)

Other Features:

Card detection: Movement detection with auto power-off, Automatic detection of card type, Short circuit and thermal protection

Status indicator: Blue LED

Certifications:

Manufacturer's warranty: 2 year

MTBF: 500 000hrs

Type approvals: UKCA, CE, FCC, RoHS 2, REACH, WEEE, IEC 60950, IEC 62368

Application approvals: MIC (Japan), VCCI (Japan), KCC (S Korea), RCM (Australia)

Country of origin: Mexico

Physical:

Dimensions: 74 x 64 x 13mm (2.91 x 2.52 x 0.51in)

Weight (±5%): 48g (1.69oz)

Cable length supplied: 1.5m (59in)

Power:

Supply voltage: 5V DC

Operating current: 60mA (max)

Battery power option: No

Environment:

Operating temperature: 0 to 55degC (32 to 131degF)

Storage temperature: -20 to 80degC (-4 to 176degF)

Operating humidity: 10-90% RH (non-condensing)

Manufacturer's part number: R30210315-1

Country of origin: Mexico

HSF code: 84719000

Manufacturer: Omnikey

©2026 DOT ORIGIN LTD