OmniDrive
USB2 intern LF

Product description

OmniDrive USB2 intern LF is a drive in a 3.5" frame for all kinds of Memory Cards complying with the PC Card standard. This includes Linear Flash Cards & SRAM Cards 16-Bit, ATA Flash Cards, ATA Hard Disks, CompactFlash Cards with Adapter.

Modern future-proof design

OmniDrive USB2 intern LF is based on a flexible, CSM-own design which meets industrial require-ments:

▶ High speed data transfer through USB 2.0

▶ Extreme functional and data security

▶ Long-term availability by own FPGA design and manufacturing

▶ Flexibility and protection of investment by easy update possibility

▶ Option: Extended temperature range -40°C to +85°C

▶ Option: Customer specific adaption

Easy installation

OmniDrive USB2 intern LF requires no internal slot like other internal drives and can be used independently of the PC bus (ISA, PCI, etc.). Instead the device is connected to a free USB port on the PC mother board. OmniDrive receives its power supply via the USB port and optional through an additional 4-pin connector for 3,5" floppy drives.

Key features

▶ Internal PC Card Drive for USB 2.0

▶ For Linear Flash & SRAM Cards 16-Bit, ATA Flash, ATA Hard Disk a.o. PC Cards

▶ Easy installation and handling Windows 11, 10, 8, 7, Vista, XP, 2000, 98/Me & Linux

▶ Device driver for CSM Professional Software

▶ USB cable with connector for PC mother board

▶ Option: -40 to +85 °C operating temperature

▶ Option: Customizing / Design-in

▶ Options: PCB version or external with table housing

PC Card Manager and SDK

OmniDrive USB2 intern LF is part of the product line Omni-Drive Professional. CSM's own device drivers allow to use the well-tried CSM Professional software tools.

The Windows tool PC Card Manager offers extensive possibilities for access to Memory Cards:

▶ Flexible Format Utility

▶ Hex-Editor and Binary Copy Utility

▶ Inspect and Repair Tool for ATA media

Innovative Measurement and Data Technology

The universal CSM programming interface (API) offers by a DLL direct access to Memory Cards from own customized Windows applications.

For this the CSM PC Card SDK (Software Development Kit) is available as an additional product.

Linux software support

Under Linux **OmniDrive USB2 intern LF** is usable as a plug-and-play drive for ATA Flash Cards. For this the device drivers of Linux are used.

Scope of delivery

▶ OmniDrive USB2 intern LF in 3.5" frame or as PCB version
▶ USB cable

Additional products

▶ SuperStore Industrial Memory Cards

Perfect for Industrial PC´s

Unlike other internal drives **OmniDrive USB2 intern LF** allows a cable length of 2 m or more. It can be installed in terminals separated from the PC main board. On request custom OEM cable solutions are available.

Downloads

▶ PC Card SDK (PC Card Software Development Kit) for direct access to Memory Cards for custom applications
▶ CSM API-32, DLLs and code examples
▶ CSM Professional Software:
   ▶ Device driver for Windows 11, 10, 8, 7, Vista, XP, 2000, 98/Me
   ▶ PC Card Manager utility for format independent data access inclusive HEX-Editor
   ▶ API with DeviceIoControl-Interface
▶ Multilingual user manual

Technical data

Type designation	OmniDrive USB2 intern LF
PC Card Slots	1 x type II front slot
Interfaces	USB 2.0 and USB 1.1
PC Card Types	Linear Flash & SRAM Cards 16-Bit[1,2], ATA Flash, ATA Hard Disk, CompactFlash, SmartMedia, MultiMedia, Secure Digital Cards, a. o. with adapter
Software	CSM Professional Software for Windows with utilities: PC Card Manager (PCM), OmniCtrl, BCPY32, CSMFORM
Dimensions (w × h × d)	standard 3,5" frame, 101,5 mm x 25,5 mm x 128 mm, PCB version: 100,8 mm x 18 mm x 124,5 mm
Weight	approx. 250 g PCB version: approx. 100 g
Operating temperature range	0 °C to +70 °C[3]
Storage temperature	-20 °C to +85 °C[3]
Humidity	max. 90 % (non condensing)
Power Supply	DC 5 V from PC via USB bus, additional 4-pin connector for 3.5" floppy drives
System Requirements	PC with Windows 11, 10, 8, 7, Vista, XP, 2000, 98/Me or Linux[1]
Conformity	CE

[1] Usage of Linear Flash & SRAM Cards 16-Bit only under Windows.
[2] AMD, Catalyst, Fujitsu, Intel Series 1, 2, 2+, StrataFlash.
[3] Optional -40 °C to +85 °C (operating and non-operating)

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ISO 9001, ISO 14001
Certified Integrated Quality
and Environmental
Management System

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