

OmniDrive USB2 LF



Description

OmniDrive USB2 LF is an external drive for a lot of Memory Cards complying with the PC Card Standard. Specially for Linear Flash Cards & SRAM Cards 16-Bit, ATA Flash Cards and ATA Hard Disks as well as CompactFlash, SmartMedia, MultiMedia-Cards and SD Cards with adapter. The compact aluminum casing offers perfect protection for device and card. The power supply comes from the USB bus itself. In addition, if necessary, also by means of an AC adapter.

- Universal PC Card Reader for USB 2.0
- For Linear Flash & SRAM Cards 16-Bit, ATA Flash and ATA Hard Disk
- CSM Professional Software / SDK
- Long-term available industrial design
- Compact and robust aluminium housing

OmniDrive USB2 LF is perfect for industrial applications where Linear Flash Cards 16-Bit are used:

- Automation and control technology
- Machine construction
- Medical technology, etc.

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

For use in IPCs the OmniDrive USB2 LF is also available as compact 3.5" mounting and PCB version. The available USB cable lengths of 2m and more enable the mounting in separated operating panels.

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Application

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

- High speed data transfer through USB 2.0
- Extreme functional reliability and data security
- Long-term availability by own FPGA design and manufacturing
- Flexibility and protection of investment by easy update possibility
- Option: -40°C to +85°C operating temperature range
- Option: Customer specific adaption

Support of CSM Software tools

OmniDrive USB2 LF is a CSM Professional Drive. Therefore it is perfect as a fast, robust drive for the listed memory media. In addition CSM's own device drivers allow to use the well-tried CSM Professional software tools.

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

- Hex Editor and Binary Copy Utility
- Test of data consistency by 16-bit CRC checksum
- Linear Flash Erase Utility

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

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

Datasheet OmniDrive



OmniDrive USB2 LF

Technical data

Specifications		
Type designation		OmniDrive USB2 LF
PC Card Slots		1x type II front slot
Interfaces		USB 2.0 und USB 1.1
PC Card Types		Linear Flash & SRAM Cards 16-Bit ^{1,2} , SIEMENS FMC-xx Flash Cards, ATA Flash, CompactFlash, SmartMedia, Multimedia, Secure digital Cards, a.o. with adapter
Software		CSM Professional Software with utilities: PC Card Manager (PCM), OmniCtrl, BCPY32, CSMFORM
Dimensions		109 mm × 35 mm × 135 mm PCB version: 100,8 mm x 18 mm x 124,5 mm
Weight		approx. 300g PCB version: approx. 100g
Operating temperature range		0°C to +70°C
Storage temperature		-20°C to +85°C
Humidity		max. 90% (non-condensing)
Power Supply		DC 5V from PC via USB-Bus, optional additional power supply via AC adapter
System Requirements		PC with Windows 11, 10, 8, 7, Vista, XP, 2000, 98/Me or Linux1

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 storage)