

OmniDrive USB2 LF

- ▶ Universal PC Card Reader for USB 2.0
- ▶ For Linear Flash, SRAM, ATA Flash and ATA Hard Disk
- ▶ CSM Professional Software / SDK
- ▶ Compact, robust aluminum housing
- ▶ Long-term available industrial design
- ▶ Option: -40 to +85 °C operating temperature
- ▶ Option: Customizing / Design-In
- ▶ Option: PCB version

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, 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.

Modern future-proof design

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

For **OmniDrive USB2 LF** this means in detail:

- ▷ **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

Applications

OmniDrive USB2 LF is perfect for industrial applications where **Linear Flash Cards** are used:

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



OmniDrive USB2 LF

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


Perfect for Industrial PC's

For use in IPCs the **OmniDrive USB2 LF** is also available as compact **3.5" mounting version**.

The available USB cable lengths of 2 m and more enable the mounting in separated operating panels.



Specification OmniDrive *USB2 LF*

Item	OmniDrive <i>USB2 LF</i>
PC Card Slots	1x type II front slot
Interfaces	USB 2.0 and USB 1.1
PC Card Types	Linear Flash ¹⁾²⁾ , SRAM ¹⁾ , 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 x H x D)	109 mm x 35 mm x 135 mm PCB version: 100,8 mm x 18 mm x 124,5 mm
Weight	approx. 300 g / PCB version approx. 100 g
Operating Temperature	0 °C to +70 °C ³⁾
Non-operating Temperature	-20 °C to +85 °C ³⁾
Humidity	max. 90 % (non condensing)
Power Supply	DC 5 V from PC via USB bus optional additional power supply via AC adapter
System Requirements	PC with Windows 10, 8, 7, Vista, XP, 2000, 98/Me or Linux ¹⁾⁴⁾
Conformity	

1) Usage of Linear Flash and SRAM Cards only under Windows.

2) AMD, Catalyst, Fujitsu, Intel Series 1, 2, 2+, StrataFlash. Others on request.

3) Optional -40 °C to +85 °C (operating and non-operating).

4) Other operating systems on request.

Shipping Content:

- **OmniDrive *USB2 LF*** in table housing, 3.5" frame or as PCB version
- **USB cable**
- **CD with CSM Professional Software:**
 - **Device driver for Windows 10, 8, 7, Vista, XP, 2000, 98/Me**
 - **PC Card Manager** utility for format independent data access inclusive HEX-Editor
 - **API with DeviceloControl-Interface**
- **User manual in multi-language**

Options:

- **AC adapter** (Euro and US)

Additional products:

- **PC Card SDK**
(PC Card Software Development Kit)
for direct access to Memory Cards
for custom applications **CSM API-32**,
DLLs and **code examples**
- **SuperStore Industrial Memory Cards**