Datasheet OmniDrive

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

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

Highlights

- 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 bis +85 °C operating temperature
- Option: Customizing/Design-In
- Options: PCB version or external with table housing

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Application

OmniDrive USB2 intern LF is part of the product line OmniDrive 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

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.

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

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.

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.

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Technical data

Specifications		
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 Typen		Linear Flash & SRAM Cards 16-Bit1, 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 x h x d)		standard 3,5" frame, 101, 5mm x 25,5mm x 128mm PCB-Version: 100,8mm x 18mm x 124,5mm
Weight		approx. 250g 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, additional 4-pin connector for 3.5" floppy drives
System Requirements		PC mit 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 non-operating)