



OmniDrive USB2 intern Pro/LF

Installation Manual

Liability remarks

This installation manual and other documents are part of the product and contain important information for its safe and efficient use. To maintain the high quality level the product is continuously being developed, which may result in the product's technical details changing at short notice. As a result, the contents of this documentation may differ from the technical specifications of the product. No claims against the manufacturer can therefore be derived from the contents of the product documentation.

CSM GmbH is not liable for technical or editorial errors or missing information.

CSM GmbH assumes no liability for damage resulting from improper use of the product and/or non-observance of the product documentation, in particular the safety instructions.

General instructions

Please read this document carefully **before installing** the OmniDrive USB2 intern Pro/LF hardware and software and follow the operating instructions which it contains.

The equipment should not be used without prior familiarization with the operating instructions. The equipment should not be used beyond the limits which are specified in the technical data.

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Hardware installation

CAUTION!



- ▶ EMC hints have to be observed, see chapter "EMC" below.
- ▶ The **PC** must be **switched off** for the hardware installation.
- ▶ Modifications to the connector assembly must be applied with the PC powered down.

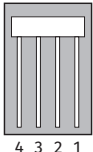
CAUTION!



Before you start with the hardware installation take care that there is no static electrical discharge on the OmniDrive USB2 intern Pro/LF or on any other system component. Discharge yourself by touching a grounded object before you remove the OmniDrive USB2 intern Pro/LF from its package. Be always sure that you do not touch any component before you are well discharged.

Power Supply

Floppy-Stecker

Picture	Pin	Name	Signal
 <p>3,5" floppy connector</p>	1	+5V	+5V DC power supply
	2	GND	ground
	3	GND	ground
	4	- / -	- / -

NOTE!



The power supply via floppy connector is optional. The usage of media with high power consumption (e.g. hard disks) may require the usage of an external power supply for the drive. Therefore we recommend to connect this optional power supply to ensure safe operation for all media.

EMC

Connection and installation hints for operation:

- ▶ Shielded cables must be used for the signal line outside of a shielded cabinet.
- ▶ OmniDrive USB2 intern Pro/LF must be mounted in an shielded enclosure for EMC reasons.
- ▶ Take care for a good electrical connection between the shielding enclosure and the mounting holes of the OmniDrive USB2 intern Pro/LF.

WARNING!



Shield, case and signal ground are connected directly to the negative line (GND) of power supply.

Operation hints

WARNING!



Avoid electrostatic discharge at the PC-Card while there is data access. Touch the metallic case first prior handling the PC-Card.

USB Interface

The USB cable can be used to connect the OmniDrive USB2 intern Pro/LF directly to a motherboard.

WARNING!



The pinout of the cable is NOT compatible to all motherboards. Please check the pinout used by your motherboard and correct the cable if necessary!

USB adapter for motherboards

Pin	Cable colour	Signal
1	red	+5V
2	white	USB-
3	green	USB+

Pin	Cable colour	Signal
4	black	GND
5	black	S-GND (shield)

Product disposal/recycling

If this symbol (crossed-out wheeled bin) appears on the device, this means that the European Directive 2012/19/EU applies to this device.

The correct disposal of old equipment will protect the environment and people from possible negative consequences.

Become familiar with local regulations for separate collection of electrical and electronic equipment.

Follow local regulations and do not dispose of old equipment with household waste.



Technical data

Item	OmniDrive USB2 intern Pro	OmniDrive USB2 intern LF
Dimensions (W × H × D)	Standard 3.5" frame 101.5 × 25.5 × 128 mm	
Weight	approx. 250 g	
Power Supply	DC 5 V from PC via USB bus, optional additional power supply via 4-pin connector for 3.5" floppy drives	
Software	CSM Professional Software for Windows with utilities: PC Card Manager (PCM) OmniCtrl, BCPY32, CSMFORM	
PC Card Slots	1 x type II front slot	
Interface	USB 2.0 and USB 1.1	
PC Card Types	ATA Flash, ATA Hard Disk, SRAM ¹⁾ With adapter: CompactFlash, SmartMedia, MultiMedia, Secure Digital Cards etc.	Linear Flash ^{1) 2)} , ATA Flash, ATA Hard Disk, SRAM ¹⁾ With adapter: CompactFlash, SmartMedia, MultiMedia, Secure Digital Cards etc.
Operating Temperature	0 °C to +70 °C ³⁾	
Non-operating Temperature	-20 °C to +85 °C ³⁾	
Humidity	max. 90 % (not condensing)	
System Requirements	PC mit Windows 10, 8, 7, Vista, XP, 2000, 98/Me, OSX 10.x or Linux ⁴⁾	
Conformity	CE	

1) Usage of Linear Flash and SRAM Cards only under Windows. 2) AMD, Catalyst, Fujitsu, Intel Serie 1, 2, 2+, StrataFlash. Others on request. 3) Optional -40°C to +85°C (operating and non-operating). 4) Other operating systems on request.

Additional products:

- ▶ **PC Card SDK** (PC Card Software Development Kit)
for direct access to a Memory Card's, contents using own applications
CSM API-32, DLLs and code examples
- ▶ **SuperStore Industrial Memory Cards**

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