OmniDrive USB2 LF/SD

Product description

OmniDrive USB2 LF/SD is an external drive for a lot of Memory Cards. For this the device provides 2 separate slots:

▶ PC Card Interface for access to Linear Flash Cards, SIEMENS FMC Cards for HICOM®/HiPath®, SRAM Cards, ATA Flash Cards a.o.

▶ SD Card Interface for direct access to Secure Digital Cards, Secure Digital High Capacity Cards, MultiMedia-Cards and SIEMENS Micro Memory Cards for SIMATIC® (system-dependent)

The compact aluminium casing offers perfect protection for device and card. The power supply comes from the USB port itself. In addition, if necessary, also by means of an AC adapter.

Modern future-proof design

OmniDrive USB2 LF/SD is based on a flexible, CSM-specific 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

▶ Option: PCB Version

Support of CSM software tools

OmniDrive USB2 LF/SD 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:

▶ Flexible formatter utility

▶ 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.

Mounting Version

OmniDrive USB2 LF/SD is also available as a compact mounting version.

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

Technical data

Type designation	OmniDrive USB2 LF/SD
Memory Card Slots	two front slots: 1x PC Card Type II and 1x SD Card
Interface	USB 2.0 and USB 1.1
Memory Card Types	
in PC Card Slot	Linear Flash [1] [2], SIEMENS FMC-xx Flash Cards, SRAM, ATA Flash, CompactFlash and SmartMedia Cards with adapter
in SD Card Slot	Secure Digital Cards, Secure Digital High Capacity Cards, SIEMENS Micro Memory Cards (system-dependent), MultiMediaCards
Software	CSM Professional Software with utilities: PC Card Manager (PCM), OmniCtrl, BCPY32, CSMFORM
Dimensions (w × h × d)	109 mm × 35 mm × 135 mm / PCB version: 100.8 mm × 18 mm × 124.5 mm
Weight	approx. 300 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 port optional additional power supply via AC adapter
System Requirements	PC with Windows 10, 8, 7, Vista, XP, 2000, 98/Me, OSX 10.x or Linux [1] [4]
Conformity	CE

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

[2] AMD, Catalyst, Fujitsu, Intel Serie 1, 2, 2+, StrataFlash etc. Others on request.

[3] Optional -40 °C to +85 °C (operating and storage).

[4] Other operating systems on request.

Shipping content

▶ OmniDrive USB2 LF/SD in table housing, 3.5" frame or as PCB version
▶ USB cable
▶ CD with CSM Professional Software:
  ▶ Device drivers (Windows 10, 8, 7, Vista, XP, 2000, 98/Me)
  ▶ PC Card Manager utility for format independent data access including HEX Editor
  ▶ API with DeviceIoControl Interface
  ▶ Multilingual user manual

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

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