

➤ *chip***DISK-IDE**



- IDE compatible Flash
- No moving parts & lockable
- Various sizes from small to huge MBytes!
- Latest NAND flash technology

► Product Overview

The chipDISK is a fully IDE-compatible flash harddisk and was designed to replace the customary harddisk. The chipDISK is based upon FLASH-TECHNOLOGY and is absolutely insensitive to tremors, vibrations, impacts, fluctuations in temperature and magnetic fields. The chipDISK is therefore best suited for use in mobile equipment and systems which need to withstand severe influences. The minimal mechanical measurement allow its employment in very compact pieces of equipment. The power consumption of the chipDISK is only a fraction of that needed by a "normal" harddisk which therefore considerably lengthens its amount of potential operation time. A hard disk controller is integrated in the chipDISK which insures

the complete compatibility with a „normal“ harddisk on one hand, and which conducts the organisation of the flash-components on the other. Potential defects in the flash-cells are automatically recognised and dealt with accordingly. Data protection is therefore considerably heightened. Data transfers up to PIO Mode 2 are supported. The chipDISK is designed to be directly plugged (without a cable) onto a 2 mm pin rail with the pin cover of a 2.5" IDE-hard disk. The chipDISK-IDE can be directly employed on most Kontron PC/104-CPU modules and Slot-CPU cards.

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► Technical Information

- Fully IDE hardware - compatible flash disk which is directly pluggable on to a 2.5" IDE plug
- Needs no special installation or formatting software
- Automatic error correction and retry
- Supports power down and start modem
- 44 Pin 2mm IDE plug connection
- No moving parts
- Smallest IDE hard disk suitable for use in industry
- Weight: < 10g
- Operating voltage: +5V \pm 5%
- Endurance: 100.000 erase / programm cycles per logical sector
- Power consumption:
 - sleep mode: < 1 mA
 - reading: < 80 mA
 - writing: <100 mA
- Temperature:
 - operation: 0 to 70° C
 - storage: -40 to 85° C
- Max. humidity: operation: 10% to 90%
storage: 5% to 95%



chipDISK bottom view

► Ordering Information

Article	Part.-No.	Description
chipDISK/32-IDE	08001-0032-00-0	IDE compatible flash-harddisk with 32 MByte
chipDISK/128-IDE	08001-0128-00-0	IDE compatible flash-harddisk with 128 MByte
chipDISK/256-IDE	08001-0256-00-0	IDE compatible flash-harddisk with 256 MByte
chipDISK/512-IDE	08001-0512-00-0	IDE compatible flash-harddisk with 512 MByte
chipDISK/1000-IDE	08001-1000-00-0	IDE compatible flash-harddisk with 1 GByte

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