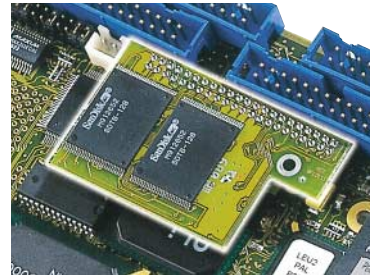
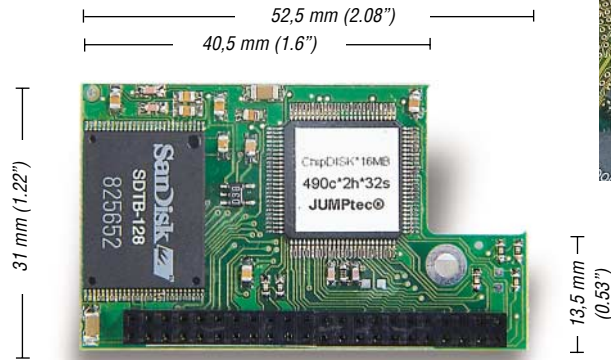


Technical Data

- Fully IDE **hardware-compatible** flash disk which is directly pluggable on to a 2.5" IDE plug
- Needs no special installation or formation software
- Automatic defect correction
- Automatic sleep mode
- 44 Pin 2mm IDE plug connection
- No mechanically mobilised parts
- Smallest IDE hard disk suitable for use in industry
- **Weight:**
approx.20g
- **Operating voltage:**
+3,3V ± 5% or +5V 5%
- **Power consumption:**
sleep mode: < 1 mA
reading: < 80 mA
writing: <100 mA
- **Startup time:**
sleep to write: 2,5 ms max.
sleep to read: 2.0 ms max.
reset to ready: 50 ms typ. 400 ms max.
- **MTBF at 25°C:**
> 1.000.000 hours
- **Temperature:**
operation: 0 to 60° C
storage: -10 to 85° C
- **Max. humidity:**
operation: 10% to 90%
storage: 5% to 95%



Description

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. A special writing procedure working in connection with the cache memory considerably increases the slow writing speed that flash-components are known to have. 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 JUMPtec® PC/104-CPU modules and Slot-CPU cards.

Ordering Information

Article	Part.-No.	Description
chipDISK/32-IDE	08001-0032-00-0	IDE compatible flash-harddisk with 32 MByte
chipDISK/96-IDE	08001-0096-00-0	IDE compatible flash-harddisk with 96 MByte
chipDISK/256-IDE	08001-0256-00-0	IDE compatible flash-harddisk with 256 MByte

Accessories

Article	Part.-No.	Description
chipDISK-DOC	96035-0020-00-0	Manual for chipDISK
chipDISK-ADA1	96004-0000-00-0	Adapter and cable for 2.54 mm (0.1") connector