

## PROFESSIONAL BACKUP SOLUTIONS

**DAT72**  
Digital Data Storage

### DAT72 (Digital Audio Tape)

#### DAT72 TECHNOLOGY



MAST DAT is available in black or white colour and in internal & external version

DAT, Digital Audio Tape, consists of a tape backup solution in 3.5" format.

The technology uses a **helical scan recording**, like the domestic video, allowing **very high recording densities**.

This technology is also known as 4mm, because of the width of the tape that uses. It is ideal for backing up small network servers and PC workstations or small-to-medium sized networks.

DAT offers low cost of ownership, plug-and-play connectivity, excellent reliability and powerful management features.

MAST DAT uses a rapidly rotating drum on which four read and write heads are located. The drum is tilted at an angle in relation to the horizontal movement of the tape, allowing the tape to travel more quickly than other tape media. The tracks of data overlap each other slightly, thus eliminating track gaps.

MAST DAT includes a sweeper, a head cleaning mechanism that works automatically every 10 minutes and acts longer if it detects a clog.

MAST DAT has a special system, Tape Alert, that advises the user when to replace the tape, if there is something wrong or if the heads are dirty and the cleaning cartridge has to be used. Tape Alert is compatible with most of the backup softwares in the market.

## DAT72 (Digital Audio Tape) Technical Specifications

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	<b>DAT72</b>
Format	3.5" with 5.25" brackets built-on
Native capacity / hardware compression*	36/72 GB
Transfer rate sustained (native/compression*)	3.5 - 7MB/s
Backup rate (native/compression)*	210-420 MB/m
Read/write compatibility	DDS3, DDS4, DAT72
Search speed	40 s. average
Internal and external interface	SE/LVD 68 pins
Reliability	400.000 hours power-on MTBF
Time data are kept	10 years
Official operating systems	Linux, OpenServer, Unixware Driver for Windows 00/NT/XP Software for Windows 95/98/Me

\*typical hardware compression 2:1

### What's in the box?

- The **Bulk format** includes device, black and white bezel and **3 years warranty**.
- The **retail format** includes device, active terminator, SCSI cable, manual and **3 years warranty**.
- The **SuperMast format** includes device, active terminator, SCSI cable, manual, **Storage Kit** and **3 years**.

