

Future Product Information 201 OEM Disc Data Storage Drive

Memorex Corporation announces the Memorex 201, the second product in its advanced line of 8-inch mini disc drives. The Memorex 201, developed by Memorex Mini Disc Drive Corporation, has 12.5 megabytes of fixed 8-inch disc storage capacity and features a removable cartridge, the Memorex 2001, offering 12.5 megabyte capacity, totalling 25 MB for the drive.

The Memorex 201 is an eight-inch rigid disc data storage drive with front panel dimensions that allow it to fit in a flexible disc drive cavity.

Features and benefits include:

- High-speed positioning system
- Removable rigid disc cartridge
- Integral drive spindle motor
- Sealed media environment
- Low heat dissipation
- Low power requirements
- High data rate

The 2001 removable cartridge not only provides the drive with its own back-up, but allows the 201 to perform as back-up for other devices. This lightweight cartridge provides the user with a write protect feature for protection of written data files. The specially designed cartridge interlock mechanism provides positive opening and closing for the environmentally sealed atmosphere, allowing for total air circulation and temperature stabilization.

Memorex engineers have designed a positioning system which delivers exceptional performance. Several advantages are realized from the advanced positioning system including the achievement of an access time of 30 milliseconds.

By integrating the drive motor with the spindle, Memorex has eliminated belts and lowered parts count which increases reliability and saves valuable systems space. Reduced power requirements to operate the Memorex 201 result in lower systems cost. And once again, Memorex offers international versatility in its 8-inch products by requiring only DC power.

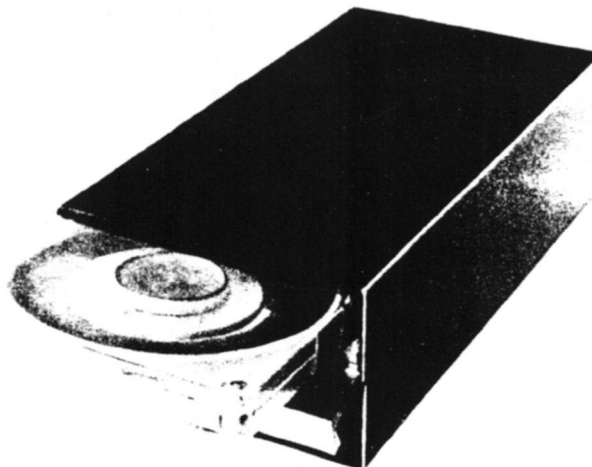
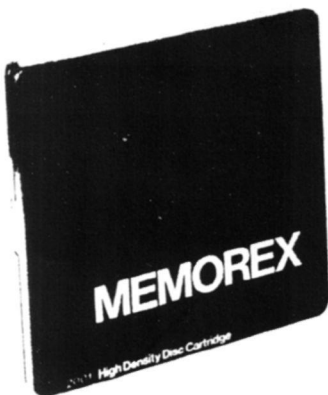
Because Memorex is committed to supporting the OEM market with high quality advanced technology products, we are continually researching and developing new products, for our OEM customers. By combining Memorex advanced technology with proven design techniques, the original equipment manufacturer is ensured of proven quality and performance from Memorex, the leader in mini disc drives and media.

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T. Gardner December 2008



201 OEM Disc Storage Drive Specifications:

Capacity

Total: 25 MB unformatted; 20.2 MB formatted
Fixed: 12.5 MB unformatted; 10.1 MB formatted
Removable Cartridge: 12.5 unformatted; 10.1 formatted
Per Surface: 6.25 MB formatted; 5.0 MB formatted
Per Track: 19,968 byte unformatted; 16,384 byte formatted
Nbr. of Cylinders: 312 (includes 3 alternates)

Data Retrieval Times

Track-to-Track Access Time: 10 MS
Average Access Time: 30 MS
Maximum Access Time: 50 MS
Average Latency: 8.3 MS
Transfer Rate: 1.20 MB/Sec.
Rotational Speed: 3600 RPM

Formatting

Index: 1 per track (electronic)
Servo: embedded & dedicated
Sectors: 32 per track
Data: 512 Bytes/Sector

Dimensions

Height: 4.38 inches
Width: 8.55 inches
Depth: 18.0 inches
Weight: 20 lbs.

Power Requirements

Voltage: +24VDC±10%
+ 5VDC± 5%

Environment

Ambient Temperature: 50° F to 105° F
Relative Humidity: 20% to 90%

Reliability

MTBF: 4500 hours
MTTR: 30min.
Error Rate: One Soft Error 10⁶ Reads
One Hard Error per 10¹² Reads
One Seek Error per 10⁶ Seeks

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