



Tech Info Library

UniDisk: Specifications (Discontinued)

Revised: 9/24/93
Security: Everyone

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I. Technical Specifications

1. Recording Media

- a. Disk diameter: 5.25 inches
- b. Recording surfaces: 1
- c. Tracks per surface: 35

2. Capacities

- a. Formatted data capacity: 140 kilobytes, 16 sectors
 - 1. ProDOS: 137 KB
 - 2. Pascal: 137 KB
 - 3. DOS 3.3: 124 KB

3. Characteristics

- a. Seek/settle time (track to track): 30 milliseconds maximum
- b. Drive-motor start time: 0.5 seconds maximum
- c. Mechanism same as drive for Duodisk, IIc drive, and Disk IIc

4. Power Consumption

- a. +12 VDC with a tolerance of 0.6 V (plus or minus)
 - 1. Maximum ripple 120mV peak to peak
 - 2. 0.8 A typical
 - 3. 1.6 A maximum
- b. -12 VDC with a tolerance of 0.6 V (plus or minus)
 - 1. Maximum ripple 120mV peak to peak
 - 2. 0.01 A typical
 - 3. 0.02 A maximum
- c. +5 VDC with a tolerance of 0.25 V (plus or minus)
 - 1. Maximum ripple 120mV peak to peak

2. 0.2 A typical
3. 0.4 A maximum

5. Head positioning: Adjusted to a tolerance of 0.002 inches (plus or minus) maximum deviation from ideal on track

6. Environmental Characteristics

- a. Operating temperature:
 1. 50 to 115 degrees Fahrenheit
 2. 10 to 46 degrees Celsius
- b. Operating humidity: 20% to 80% (noncondensing)
- c. Maximum wet bulb:
 1. 85 degrees Fahrenheit
 2. 29.4 degrees Celsius

7. Drive Dimensions

	inches	millimeters
a. Length	8.50	216.0
b. Width	6.37	162.0
c. Height	3.13	79.6

	pounds	kilograms
d. Weight	4.62	2.1

8. Connection

For each controller card connected to a Unidisk, a second Unidisk drive can be "daisy chained" or connected to the back of the first.

II. System Configuration

1. Controller Card and

- a. Apple II
- b. Apple II Plus
- c. Apple IIe
- d. Apple II GS

III. Package

1. Order number:
 - a. A9M0104: Unidisk drive with controller card
 - b. A9M0105: Unidisk drive

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