



# Tech Info Library

## Apple 3.5 Drive: Specifications (Discontinued)

Revised: 7/12/94  
Security: Everyone

Apple 3.5 Drive: Specifications (Discontinued)

=====  
Article Created: 31 May 1991  
Article Reviewed/Updated: 12 July 1994

TOPIC -----

This article describes the Apple 3.5 Drive.

DISCUSSION -----

The Apple 3.5 Drive stores 800K of data on a single 3.5-inch disk. It's a flexible, economical choice for owners of the Macintosh Plus, Macintosh SE, and Apple IIGS personal computers who want high capacity-storage in a small inexpensive package.

### System Requirements

-----  
To use the Apple 3.5 Drive, you need one of the following systems:

- Macintosh Plus
- Macintosh SE
- Macintosh 512K Enhanced
- Apple IIGS

### Technical Specifications

- 
- Recording medium
    - disk diameter: 3.5 inches
    - recording surfaces: 2
    - tracks per inch: 80
    - formatted data capacity: 800K
    - Unformatted data capacity: 1,246 kilobytes
    - Track density: 135 TPI

Use nothing but certified double-sided disks in the Apple 3.5 Drive.

- Drive Characteristics
  - seek time (track to track): 6 milliseconds maximum

settle time: 30 milliseconds maximum  
drive startup time: 600 milliseconds maximum  
Disk speed:  
Data transfer rate: 489.6 kilobits per second  
Heads: 2

- Head position accuracy:  $\pm$  0.035mm

- Interfaces

Connects directly to the disk-drive port of the Macintosh 512K Enhanced, Macintosh 512K with ROM upgrade, Macintosh Plus, Macintosh SE, or Apple IIGS. With the Apple IIGS, an additional drive can be daisy-chained to the first drive.

- 19-pin D-style connector for one additional drive

- Apple 3.5
    - Apple 5.25
    - UniDisk 3.5

- Electrical requirements

- +12 Volts

- standby: 10 microamps
    - typical: 120 milliamps
    - peak: 600 milliamps
    - (during eject only: 2-second maximum duration)

- +5 Volts

- standby: 19 milliamps
    - typical: 360 milliamps

- Environmental requirements

- operating temperature: 40 to 122 degrees F (5 to 50 degrees C)
  - storage temperature: -40 to 140 degrees F (-40 to 60 degrees C) with no condensation
  - relative humidity: 5% to 90% with maximum wet bulb temperature of 85 degrees F (29 degrees C) and no condensation

- Weight and dimensions

- height: 2.01 in. (51 mm)
  - width: 4.72 in (120 mm)
  - depth: 7.87 in. (200 mm)
  - weight: 2.8 lb. (1.3 kg)

Article Change History:

12 Jul 1994 - Combined with another document that contained similar information

Support Information Services

Copyright 1991-1994 Apple Computer, Inc.

Tech Info Library Article Number:7885