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Apple 3.5 Drive: Specifications (Discontinued)

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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: ± 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)

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