Apple 5.25 Drive: Specifications

Article Created: 31 May 1991
Article Reviewed/Updated: 11 July 1994

TOPIC ---

This article describes the Apple 5.25 Drive.

DISCUSSION --

The Apple 5.25 Drive is ideal for users who need compatibility with
thousands of Apple II software programs.

The unit adds 143K of on-line storage to an Apple II system. You can
further increase storage capacity by connecting an additional drive
directly to it. Depending on which computer system you have, you may be
able to "daisy chain" several drives (including 3.5-inch drives) in this
manner.

System Requirements

The Apple 5.25 Drive can be used with any Apple II personal computer:
• Apple IIGS
• Apple IIe*
• Apple IIc Plus
• Apple IIc
• Apple II Plus*
• original Apple II*

  * the Apple IIe, Apple II Plus, and Apple II require the Apple 5.25
    Controller Card

Technical Specifications

• Recording medium
  recording surfaces: 1
  tracks per surface: 35

• Capacity
  Formatted data capacity: 143K, 16 sectors
  Available data capacity:
  - ProDOS or Pascal: 137K
  - DOS 3.3 (16 sectors): 124K

- Drive Characteristics
  Seek/settle time (track to track): 30 milliseconds maximum
  Drive-motor startup time: 500 milliseconds maximum
  Data transfer rate: 250 KBytes/second
  Disk rotational speed: 299 RPM
  Seek/settle time (track to track): 30 milliseconds max.
  Drive motor start time: 500 milliseconds max.
  Number of read/write heads: 1
  Head positioning:
   -- Adjusted to a tolerance of 0.002 inches maximum deviation from ideal on
      track
  Tracks per surface: 35
  Tracks per inch: 48
  Data surfaces: 1

- Power consumption
  +12 (±0.6) volts DC
      typical: 800 milliamps
      maximum: 1.6 amps

  -12(±0.6) volts DC
      typical: 10 milliamps
      maximum: 20 milliamps

  +5(±0.25) volts DC
      typical: 200 milliamps
      maximum: 400 milliamps

- Head Positioning
  Adjusted to ±0.002 inches maximum deviation from ideal on track

- Interfaces
  one built-in cable with 19-pin D-style plug
  - Plugs directly into the disk drive port of an Apple IIGS, Apple IIc Plus,
    or Apple IIc.
  - Plugs into the Apple 5.25 Controller Card installed in an Apple IIe,
    Apple II Plus, or Apple II.
  one 19-pin D-style jack for connection of additional drive

- System Configuration
   - Replaces UniDisk as standard floppy disk drive
   - Can be "daisy chained" or connected to the back of another drive
     using the disk drive port of the Apple IIGS, the disk drive port
     of the Apple IIc, or using UniDisk controller card in the Apple II
     series computers Apple II, Apple II Plus, Apple IIe, or Apple IIGS.

- Environmental requirements
  operating temperature: 50 to 105 degrees F (10 to 46 degrees C)
  operating humidity: 20% to 80% (noncondensing)
  maximum wet bulb temperature: 85 degrees F (29.4 degrees C)

- Dimensions and Weight

```
  height: 3.13 in. (7.96 cm)
  width: 6.37 in (16.2 cm)
  depth: 8.50 in. (21.6 cm)
  weight: 4.62 lb. (2.1 kg)


Article Change History:
11 Jul 1994 - Added more information from another Tech Info Library article.


Support Information Services
Copyright 1991-1994 Apple Computer, Inc.



Keywords:  SPECSHT


==================================================================

This information is from the Apple Technical Information Library.

19960215 11:05:19.00
```

Tech Info Library Article Number: 7886