

# DATAPOINT CARTRIDGE DISKS

Datapoint's cartridge disk system (9367/9368) is a random-access storage device whose compact size and reliability make it eminently well-suited for use with the Datapoint processing installations requiring medium size data storage.

The 9367/9368 system incorporates two disks, one fixed and one removable. This convenient arrangement means that the user can maintain operating software on the fixed disk without worrying about accidental removal or misplacement, while implementing other programs or storing data on the removable disk. These two disks provide up to 5 Megabytes of storage in compact office-oriented furniture. Extensions are available which provide up to 10 Megabytes of storage. A maximum of two drives may be operated from one controller on the 9367/9368.

Advanced electronic and mechanical design produce a disk system that is exceptionally fast and reliable. Final head positioning is implemented through an electronic system, reducing the potential for erroneous tracking.

Error detection is accomplished in the controller by means of a polynomial cyclic redundancy character check (CRCC) between the controller and the disk drive.

In the 4000 Series systems, the 9367, 9368, and 9369 Cartridge Disks are shipped in one of two physical configurations at Datapoint's option. The first configuration contains two 2.5MB disk drives in a single console (or freestanding, as appropriate) housing. The second configuration uses separate console and extension (or two freestanding) housings to contain the two 2.5MB drives.

Datapoint also offers cartridge disk storage in single-disk drives, (9350 series) providing 2.5 Megabytes of storage per disk. These disk systems come with a 1K controller buffer; a 4K controller buffer is optional. The disk cartridge used is the Datapoint 80362 (or equivalent).

## Functional Characteristics

*Capacity:*  
Surfaces: 4  
Tracks/Surface: 203  
Sectors/Track: 24  
Bytes/Sector: 256  
Bytes/Disk (8 bits): 2,494,464

*Bit Density:*  
2200 BPI

*Track Density:*  
100 TPI

*Buffer memory size:*  
4,096 characters

*Bit Transfer Rate (to and from buffer):*  
1562 KHz

*Disk Cartridge:*  
Datapoint 80362 or equivalent

*Disk Timing:*  
Rotation Speed: 1500 rpm  
Average Seek Time: 20 milliseconds

*Head Positioning:*  
Track-to-Track: 15 milliseconds  
Average: 70 milliseconds

*Interconnection:*  
Connects directly to any Datapoint processor

## Physical Characteristics

### Equipment Dimensions:

Console  
Width: 53 in. (134.6 cm)  
Height: 28 in. (71.1 cm)  
Depth: 27 in. (68.5 cm)  
Weight: 230 lbs. (105 kg)

Freestanding  
Width: 36 in. (91.4 cm)  
Height: 28 in. (71.1 cm)  
Depth: 27 in. (68.5 cm)  
Weight: 200 lbs. (91 kg)

Extension  
Width: 36 in. (91.4 cm)  
Height: 28 in. (71.1 cm)  
Depth: 27 in. (68.5 cm)  
Weight: 200 lbs. (91 kg)

### Power Requirements:

115 or 230 VAC, 50 or 60 Hz

### Environment:

50 to 100 degrees F  
10 to 38 degrees C  
20 to 90% relative humidity, non-condensing

## Model Codes

9367 Front Loading 5 Megabyte Disk  
System Console  
9368 Front Loading 5 Megabyte Disk  
System Freestanding  
9369 Front Loading 5 Megabyte Disk  
Extension  
9363 230 VAC, 50 or 60 Hz Power Option



*Datapoint Cartridge Disk  
(9360 Series Shown)*

The 9350 Series of Disk Drives uses a single-disk drive technique mechanism and has slightly different specifications which are not indicated, but can be obtained upon request.

**Model Codes**

- 9350 Front loading 2.5 Megabyte Cartridge Disk
- 9352 Front Loading Dual 2.5 Megabyte Cartridge Disk
- 9353 Front Loading 2.5 Megabyte System Freestanding Extension
- 9354 Front Loading Dual 2.5 Megabyte Cartridge Disk Extension (No Controller)
- 9355 Front Loading Dual 2.5 Megabyte Cartridge Disk Extensions (No Controller)
- 9363 Power Option, 230 VAC, 50 or 60 Hz