

Honeywell

SERIES 60 (LEVEL 6)

DIU9101/9102 Diskette Units

The DIU9101 Single Diskette and the DIU9102 Dual Diskette provide low-cost, versatile disk storage for users of the 6/30 Models. Data is recorded on the magnetic oxide coated surface of an eight-inch flexible mylar disk (diskette). Each removable diskette has a data capacity of 256,256 bytes.

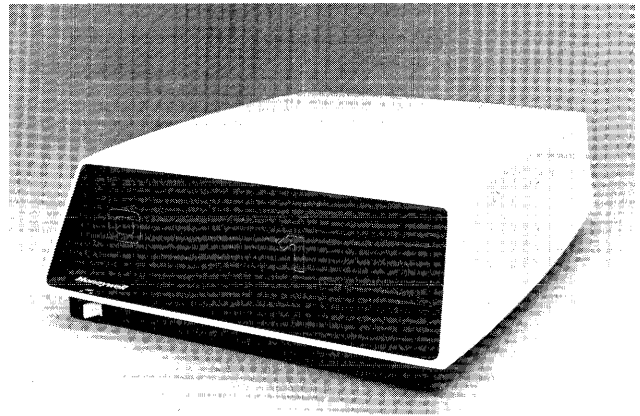
The diskettes are available singly (1-2 diskettes) or in a dual configuration (mix of 4 diskettes). A DIM9101 Diskette Device-Pac is required and supports up to two DIU9101 Single Diskettes or one DIU9102 Dual Diskette. The diskettes, which are offered in convenient, rack-mountable or free-standing tabletop versions, interface with the Level 6 processor by means of a single-board Multiple Device Controller (MDC9101), a Diskette Device-Pac (DIM9101), and a power supply. There is a maximum of two Device-Pacs/four diskettes per MDC.

FEATURES

- Available as configurations of 1-4 diskettes (256KB-1025KB)
- Use of flexible disk
 - Inexpensive media
 - Simple to load and handle
 - Easy and convenient to transport
 - Minimum storage space required
- Media compatible with IBM 3740
- Minimum operator intervention necessary
- Data integrity achieved through the use of an error detection code.

OPERATION

Each track on the diskette contains up to 26 equal-length sectors of 128 bytes each with records starting at the beginning of a sector. There are 77 tracks yielding a total formatted capacity of



256,256 bytes. All data transfers are under DMA (Direct Memory Access) control.

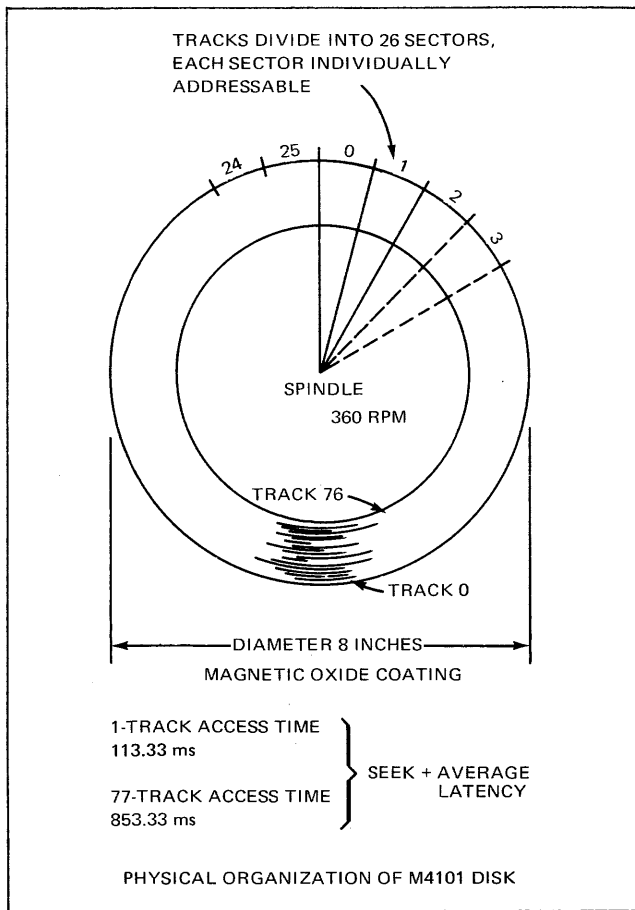
While waiting for the diskette to become ready, the CP is free to perform other operations. A program interrupt signals the central processor when further device servicing is required by software.

The recording medium is composed of a single flexible disk of mylar which has a magnetic oxide coated recording surface and is packaged in a protective envelope that is never removed. The total disk package is only eight inches square.

When loading the disk, the operator lifts the diskette cover and places the envelope/disk package in position. When the cover is closed, the diskette spindle automatically engages the disk and the diskette is ready for operation.

SOFTWARE

The diskettes are supported by Level 6 GCOS/BES I/O drivers and executive routines. Test and maintenance programs are also provided to assist in fault isolation and maintenance of the equipment.



MEDIUM

A Honeywell M4101 eight-inch flexible mylar disk (or equivalent) is used. It can be dismounted from a unit, stored, and remounted as the need arises. The medium is compatible with, and transferable to and from, an IBM 3740. For ordering information regarding supplies and accessories, refer to the *Honeywell Computer Supplies Catalog*, Order No. BY62, or contact your Honeywell Marketing Representative.

SPECIFICATIONS

SEEK TIME: 20 milliseconds minimum track to track (includes head settling time); 260 ms average; 770 ms maximum.

LATENCY TIME: 83.33 ms average rotational latency

TRANSFER RATE: 249,984 bits/second (Device-Pac to diskette); 31,248 bytes/second or 16,124 words/second

DATA CAPACITY: 256,256 bytes/disk (formatted at 77 tracks); 3328 data bytes/track (formatted)

DISKETTE SPEED: 360 rpm

TRACKS PER DISK SURFACE: 77

RECORDING DENSITY: 3200 bpi

DEVICE INTERFACE: A Diskette Device-Pac (DIM9101) is required for each DIU9102 or for up to two DIU9101s.

DIMENSIONS: 10.47 in. (26.59 cm) high; 17.5 in. (44.45 cm) wide; 22 in. (55.88 cm) deep.

Specifications may change as design improvements are introduced.

Honeywell

Honeywell Information Systems

In the U.S.A.: 200 Smith Street, MS 486, Waltham, Massachusetts 02154

In Canada: 2025 Sheppard Avenue East, Willowdale, Ontario M2J 1W5

In Mexico: Avenida Nuevo Leon 250, Mexico 11, D.F.

15283, 7.5376, Printed in U.S.A.

AS76, Rev. 1