

8406 Double-Sided Diskette Subsystem



The SPERRY UNIVAC 8406 double-sided diskette subsystem is a freestanding peripheral device which provides random access mass storage, packaged for desk-top operation. It utilizes an inexpensive, easy-to-use reusable flexible diskette as the storage medium and provides a storage capacity of up to 1 M bytes per diskette. Up to 2 drives can be configured per subsystem.

When attached to SPERRY UNIVAC terminal systems, this versatile diskette subsystem allows the user to retrieve data from a flexible diskette by random-access techniques, thus reducing data recovery rates and minimizing the need for extensive file directories. Editing capabilities make file update a quick and simple procedure. Partial or complete files can be stored and called from a remote host processor, or working files can be prepared for later transmission to the host processor.

In addition, a user at his terminal can

- select the diskette drive he wants to read from or write to,
- search for specific data and list it,
- prep a diskette,
- merge existing data from one diskette with new data entered at his terminal and create a composite file on another diskette.

These functions, except diskette prep, can also be controlled from a remote host processor in conjunction with a user program in the terminal.

When prepped for single-sided, single-density operation, the SPERRY UNIVAC 8406 double-sided diskette subsystem supports both UTS 400 and IBM BDE formats. When prepped for double-sided, double-density operation, it supports IBM Format H. Both ASCII and EBCDIC data compatibility within each of these formats can be

achieved through the use of a file utility routine which resides in the terminal or controller as a user program and converts ASCII to EBCDIC and vice versa.

The 8406 Diskette subsystem greatly enhances the versatility of the SPERRY UNIVAC terminal products on which it is supported, —providing cost-effective mass storage for a wide range of distributed processing applications requiring the creation, updating and access of local data files, both on-line and off-line to the host system.

For complete information on how the SPERRY UNIVAC 8406 Diskette Subsystem can help you satisfy your total data processing requirements through greater terminal system performance, contact your local Sperry Univac representative.



**SPERRY UNIVAC
8406 Double-Sided
Diskette Subsystem**

COLORS

Black

PHYSICAL CHARACTERISTICS

Height: 9.0 inches (22.86 cm)
Width: 20.25 inches (51.54 cm)
Depth: 16.75 inches (42.55 cm)
Weight (with one drive):
35.0 pounds (15.88 Kg)
Weight (with two drives):
50.0 pounds (22.68 Kg)

**FUNCTIONAL
CHARACTERISTICS**

**Capacity per Drive
(formatted data)**

Single-sided, single-density
242 K bytes
Double-sided, double-density
980 K bytes

Data Transfer Rate

Single density
31.25 K bytes/sec
Double density
62.50 K bytes/sec

Tracks per Side 77

Sectors per Track

Single-sided, single-density
26
Double-sided, double-density
26, 15, 8

Bytes per Sector

Single-sided, single-density
128
Double-sided, double-density
256, 512, 1024

Access Time

Track-to-track time 3.0 ms
Settling time 50.0 ms
Head load time 70.0 ms

Average Latency 88.3 ms

Rotational Speed 360.0 RPM

POWER REQUIREMENTS

Watts (per drive) 130 watts
Voltage 100/120 or
200/240
Frequency 60 Hz or 50 Hz
Phases Single
Heat Dissipation
(per drive) 443 BTU/hr
(111.8 Kg-cal/hr)

**ENVIRONMENTAL
CHARACTERISTICS**

Operating Range

Temperature 10°C to 34°C
(50°F to 93°F)
Relative humidity 5% to 80%

DISKETTE SPECIFICATION*

Diameter 7.79 inches
(19.8 cm)
Jacket Size 8 x 8 inches
(20.3 cm x 20.3 cm)

*Refer to Sperry Univac Flexible Diskette
Media Manual UP 8593.