

8439 Double-Sided Diskette Subsystem



The SPERRY 8439 double-sided diskette subsystem is a freestanding peripheral device that provides random access mass storage using inexpensive 5¼-inch diskettes. The low-profile diskette drives are packaged in an attractive and functional enclosure, suitable for desk-top operation.

The 8439 provides a storage capacity of up to 655K bytes of formatted data per diskette. Up to two drives can be configured per subsystem.

When attached to Sperry terminal systems, this versatile diskette subsystem allows the user to retrieve data from the diskette by random access techniques, thus reducing data access 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 recalled from a remote host processor, or working files can be prepared for later transmission to the host processor. In addition, a terminal user 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 then create a composite file on another diskette.

These functions are controlled from the terminal containing the diskette controller. In addition, these functions, except diskette prep, can be controlled from a remote host processor in conjunction with a user program in the terminal.

The 8439 comes with a rotate base and has an optional top which serves as a tilt/rotate base for the UTS 30 terminal.

The SPERRY 8439 low-profile diskette subsystem greatly enhances the versatility of the Sperry 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 8439 diskette subsystem can help satisfy your total data processing requirements through greater terminal system performance, contact your local Sperry representative.



SPERRY 8439 Double-Sided Diskette Subsystem

COLOR

Pearl Gray

PHYSICAL CHARACTERISTICS

Width: 14.50 inches (36.8 cm)
Height: 8.25 inches (8.3 cm)
With tilt top 4.87 inches
(12.5 cm)
Depth: 13.10 inches (33.3 cm)
Weight: Single diskette drive
10 pounds 4.55 kg
Dual diskette drive
13 pounds 5.91 kg

Capacity per Drive (formatted data)

655K bytes formatted

Data Transfer Rate

250 K bits/sec

Tracks per Side

80

Access Time

Track-to-track time 6.0 ms
Settling time 50.0 ms
Average Latency 100 ms
Rotational Speed 300 RPM

POWER REQUIREMENTS

Watts (per drive) 12
Voltage 100/120 or 200/240
Frequency 60 Hz or 50 Hz
Phases Single

ENVIRONMENTAL CHARACTERISTICS

Operating Range

Temperature 50° F to 93° F
(10° C to 34° C)
Relative humidity 20% to 80%

DISKETTE SPECIFICATION

Diameter 5.25 inches

