

8409 Disk Subsystem



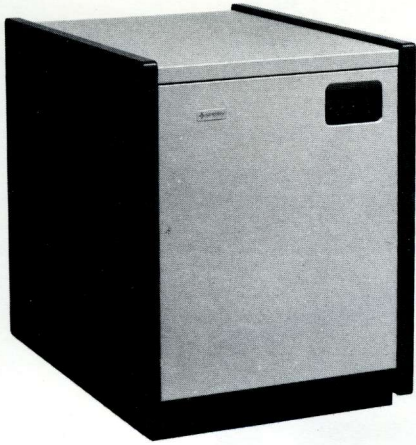
The SPERRY 8409 Disk subsystem is a data storage device that can store up to 47.5 million bytes of information. The disk subsystem can be attached to a variety of Sperry controllers and communication devices.

The 8409 Disk subsystem is contained in a floor-model cabinet that is mounted on casters and can be easily moved to a convenient

location. The disk subsystem is linked to the controlling device by an 8-bit peripheral cable and may be the only peripheral device on the cable or one of four peripheral devices attached to the cable. Total cable length for the peripheral(s) cannot exceed 200 feet.

The 8409 Disk subsystem can be ordered with one or two disk drive assemblies. A fully configured disk

drive contains three platters and three sets of recording (read/write) heads. A disk controller handles the general operation of the disk subsystem including error detection, error corrections, and status reporting. For further information and a demonstration contact your local Sperry representative.



COLORS

Pearl gray and black

PHYSICAL CHARACTERISTICS

Depth: 31" (78.8 cm)

Width: 33" (83.9 cm)

Height: 23" (58.5 cm)

Weight: 1 disk drive—135 lbs.

(68.8 kg)

2 disk drive—156 lbs.

(70.2 kg)

ENVIRONMENTAL CHARACTERISTICS

Ambient Temperature: 50°-93°F

(10°-34°C)

Relative Humidity: 20-85% non-
condensing

POWER REQUIREMENT

Voltage: 100/120/220/240

Phase Frequency: 50/60 HZ

Wattage: one drive 250 watts

two drives 330 watts

FUNCTIONAL CHARACTERISTICS

Disk Drive

Capacity—formulated data

1 platter 4.75 megabytes

2 platters 14.25 megabytes

3 platters 23.75 megabytes

Usable tracks 580 per surface

Bytes per track 8,192 bytes

Defect free tracks 580 per
surface

Track density 478 per inch

Recording density 5800 bytes
per inch

Spindle speed 3600 RPM

Transfer rate 5 megabits per
second

Access time

Track to track: 12 milliseconds

Average stroke: 45 milliseconds

Average latency: 8.3 milliseconds

