



Burroughs

9480-12

Disk Cartridge Memory, Dual Drive Subsystem

Burroughs Disk Cartridge Memory Subsystem is an ideal on-line data storage and retrieval unit for small and medium size installations in which performance and economy are especially important considerations. This subsystem combines a low cost per character with transfer rates and access times rivaling higher priced devices.

In addition, this Burroughs subsystem is simple to operate. Its lightweight cartridge slips in and out easily, and seats itself positively in operating position. The removable cartridges provide unlimited off-line storage capacity.

The subsystem's compact design saves floor space. The engineering advances which it incorporates, combined with rigorous quality control in manufacturing, assure reliability.

Burroughs Disk Cartridge Memory Subsystem offers you:

General Characteristics

■ Economy

Random access to 4.6 million bytes of stored information at a low cost per character.

■ Performance

High throughput resulting from direct movement of the read/write heads from one track to another without moving to a "home" position. Independent seek which allows overlapping head movement with any other operation on a different drive.

Transfer rate of 193,000 bytes per second. Average data access time of 80 ms.

■ Ease of Operation

Disk cartridge position in the cabinet is approximately waist high. A light push-in action seats the cartridge which weighs approximately five pounds. Cartridge can be removed without affecting the operation of any other drive.

Each disk cartridge has an attached housing which allows easy identification and eliminates a source of machine room clutter.

■ Compactness

Optimizes space requirements with no performance sacrifice. Each unit occupies less than five square feet.

■ Reliability

System interlocks prevent operation of the drive if the disk cartridge is improperly seated, and prevent reading and writing until proper disk speed is reached. Advanced techniques assure automatic error detection and data verification.

The attached disk cartridge housing shields the recording surface from contaminants.

Operating Characteristics

Capacity—2,338,560 bytes per cartridge for a total of 4,677,120 bytes.

Segment Size—180 bytes.

Seek Time—60 ms (average).

Latency—20 ms (average).

Transfer Rate—193,000 bytes per second.

Recording Surfaces—4.

Read/Write Heads—4.

Initialization—provided by disk drive control.



9985 Disk Cartridge—A self-sealing disk cartridge housing protects the recording surfaces which are coated under rigid quality control procedures.

Physical Characteristics

■ Unit

Width: 21¾ inches—55.2 cm.

Depth: 30 inches—76.2 cm.

Height: 44 inches—111.7 cm.

Weight: 357 pounds—162.2 kg.

■ Disk Cartridge

Outside Diameter: 15 inches—38.1 cm.

Height: 1½ inches—3.8 cm.

Weight: 5 pounds—2.3 kg.