



**COMPUTER
MEMORIES**
Incorporated

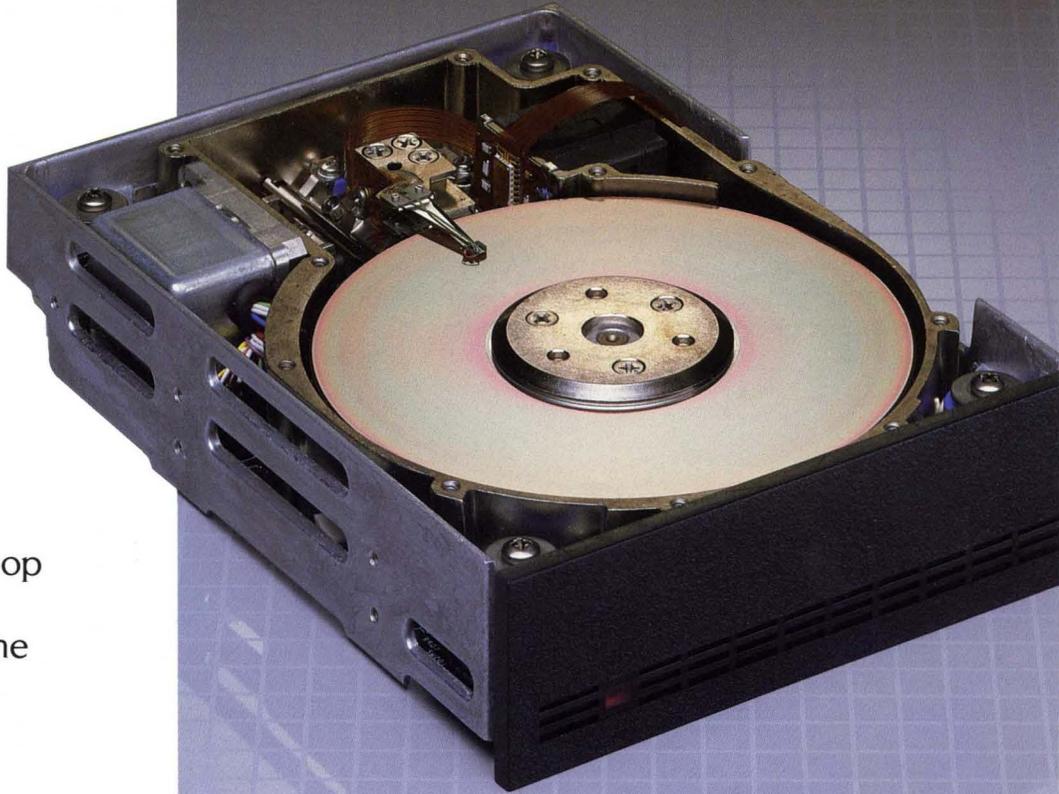
**HIGH
PERFORMANCE**

Half-Height

26.6 Megabyte 5¼" Winchester Disk Drive

CM 4426 FEATURES:

- Formatted capacity of 20 megabytes
- Half-Height profile
- Rugged design optimized for desktop and portable applications
- 40 millisecond average access time
- High performance closed loop positioning
- Read preamplifiers within the head disk assembly reduce EMI/RFI noise susceptibility increasing data reliability
- Dip switch option and drive selection easily accessible for setup without tools or disassembly
- Delayed motor start option for low starting currents in multi-drive applications
- Head parking zone
- Dynamic spindle brake to minimize head to media contact
- Positioner carriage lock to prevent head movement during shipping or power down periods



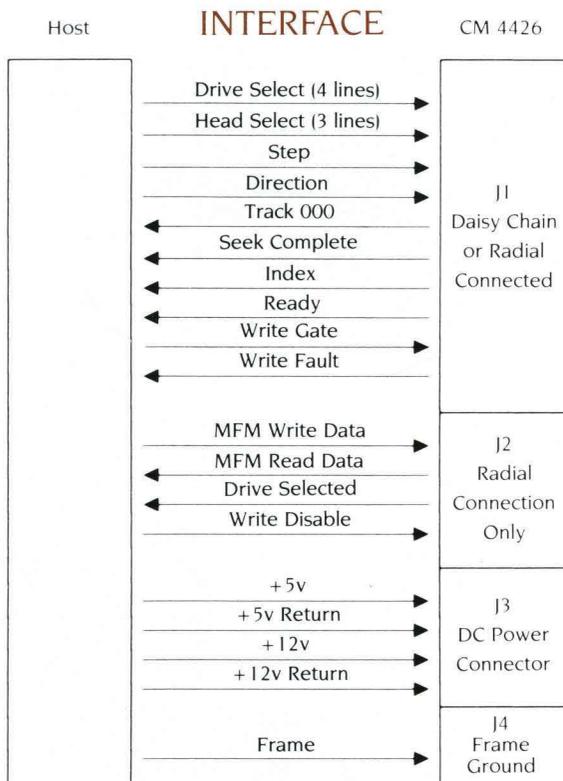
CM 4000 SERIES

CM 4426 Half-Height disk drive product information

Computer Memories CM 4426 is the newest addition to the CMI half-height product line. The CM 4426 is designed for applications that require 20 megabytes of formatted storage, yet demand the high performance, sub-40 millisecond average access time needed by the most sophisticated of the new desk top compact systems. System integration is simplified because the CM 4426 features the industry standard ST506/412 interface, half height mounting and low power consumption.

The CM 4426 performance and reliability are achieved by the utilization of such features as isolated shock mounted Head/Disk assembly, dynamic spindle brake, dedicated shipping zone to park heads.

A linear DC servo positioner provides fast access time with enhanced thermal tracking to provide data integrity over a wide range of operating environments.



CM 4426

Performance Specifications:

Capacity:	CM 4426
Unformatted:	
Per Drive	26.6 Mbytes
Per Surface	6.6 Mbytes
Per Track	10.4 Kbytes
Formatted:	
Per Drive	20.9 Mbytes
Per Surface	5.24 Mbytes
Per Track	8.2 Kbytes
Per Sector (32 sectors)	256 bytes

Density:

Recording Density	9687 bpi
Track Density	695 tpi
Cylinders	640 per surface
Recording Surfaces	4
Tracks	2560
R/W Heads per Surface	1 per surface
Disks	2

Functional Specifications:

Rotational Speed	3573 rpm
Transfer Rate	5Mbits/sec
Access Time (includes settle time)	
Track to Track	10 ms
Average	40 ms
Maximum	90 msec
Average Latency	8.4 msec

Physical Specifications:

Environmental Limits	
Ambient Temperature	39°F to 122°F (4°C to 50°C)
Relative Humidity	8% to 80% non-condensing
Temperature Variation	18°F (10°C) hour
Altitude	10,000 ft. (3050cm)

DC Voltage:

+5V ± 10% .7A typical, 1A max
+12V ± 5% .9A typical, 2.5A max

Mechanical Dimensions:

Height	1.61 in. (40.9 mm)
Width	5.75 in. (146.1 mm)
Depth	8.00 in. (203.2 mm)
Weight	3.35 lbs. (1.52 kg)

Reliability Specifications:

MTBF:	20,000 POH typical usage
PM:	Not required
MTR:	less than 0.5 hour
Error Rates:	
Soft Read Errors:	1 per 10 ¹⁰ bits read
Hard Read Errors:	1 per 10 ¹² bits read
Seek Errors:	1 per 10 ⁶ seeks
Interface	ST/506/412

Computer Memories reserves the right to change specifications without notice.



Post Office Box 2740
9216 Eton Avenue, Chatsworth, California 91311
Telephone (818) 709-6445 TWX: 910 494-4834