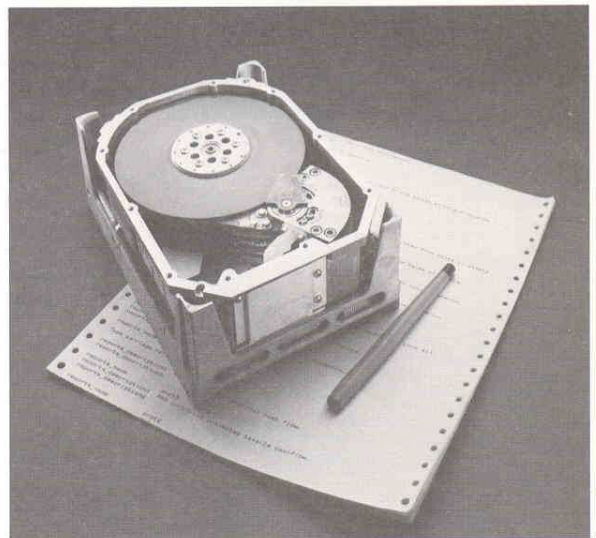




4711 Fixed Media Disk Subsystem

Features

- 60 MB low cost unit (formatted capacity)
- Winchester sealed environment for reliable operation
- Satisfies office noise standards
- High speed performance with 28MS average access time
- Industry standard ST506/412 interface, 5¹/₄" form factor
- Designed for the compact 2350TM and 2450TM systems
- Microprocessor-based logic control system
- Modular design requires no adjustments or periodic maintenance
- Supported by the PRIMOS[®] operating system



Description

The 4711 is a high-capacity, high-performance Winchester disk in a 5.25-inch form factor. While providing 60MB of formatted capacity, the small form factor allows the 4711 disk drive to be installed in the system cabinet of the 2350™ and 2450™ office systems.

The 4711 has a rated acoustic noise level well below the established office noise standard.

The 4711 fixed media disk subsystem provides a new level of price/performance to meet today's need for the on-line data requirements of office systems.

Performance Features

The performance characteristics of the 4711 (such as 28MS average seek time and 5M bit transfer rate) provide efficient data storage and retrieval.

Prime® software permits seek operations on one drive to be overlapped with a seek or data transfer operation on the other drive, further enhancing transfer performance.

Reliability, Maintainability, Data Integrity

The 4711 is designed with a rugged dual chassis construction that suspends the sealed Head Disk Assembly (HDA) on shock/vibration isolators to provide exceptional protection during transportation and operation, making the 4711 ideal for applications ranging from office systems to more severe environments.

Reliability is enhanced by micro-processor electronics which eliminate all electronic adjustments.

With a mean time between failure (MTBF) of 20,000 hours and a board-swap design that results in a mean time to repair (MTTR) of less than 15 minutes, the Prime 4711 is an industry leader in reliability and ease of maintenance.

Automatic diagnostics at the time of system start-up reduced time needed to service and locate problems.

Configuration Flexibility

As many as two disk drives (one embedded plus one add-on 4711) along with a streaming tape cartridge can be configured in the system cabinet of the 2350 and 2450 systems. The disks and tape drive are all supported by one combined disk/tape controller that occupies one chassis slot in the system's cabinet. No additional cabinetry is needed in order to configure a 2350 or 2450 with the maximum of two disk subsystems.

Specifications

Operating

Formatted capacity	
(Bytes):	60M
Bytes/Sector:	256
Bytes/Record:	2080
Sectors/Track:	4
Sectors/Record:	9
Tracks/Drive:	8192
Cylinders/Drive:	1024
Read/Write Heads:	8
Disks:	5
Average Latency	
Time(Ms):	8.33
Rotational	
Speed (RPM):	3600
Minimum Seek	
Time (Ms):	6
Average Seek *	
Time (Ms):	28
Maximum Seek	
Time (Ms):	62
Transfer Rate	
(Bits/Second):	5M
* Average of all possible seeks	

Physical

Form Factor	
Industry Standard for 5 ¹ / ₄ "	
Height:	3.25 inches (82.6mm)
Width:	5.75 inches (146mm)
Depth:	8.00 inches (203mm)
Weight:	6 pounds (2.7kg)

Environmental

Ambient Temperature	
Operating:	10 to 46 C (50 to 115 F) (gradient < 24 C/HR)
Non-operating:	- 40 to 65 C (- 40 to 149 F) (gradient < 24 C/HR)
Relative Humidity (non-condensing)	
Operating:	10% to 80%
Non-operating:	10% to 80%
Wet bulb max:	26.7 C(80 F)

Other Physical

Heat:	130 BTU/HR
Regulatory:	U.L., IEC, CSA, FCC
Acoustic Noise:	< 51dBA @ 1 meter
Altitude	
(Operating)	- 200 ft to + 1000 ft
Altitude	
(Non-operating)	- 1000 ft to + 50,000 ft
Preventive	
Maintenance:	None required
Electronic	
Adjustments:	None required

Electrical (Device) *

Input Power:	12 VDC + 5% - 5% 5 VDC + 5% - 5%
Idle Current:	2. 1A at 12 VDC (including ripple) Max. ripple not to exceed 40MV peak-to-peak
Peak Current:	4.25A at 12 VDC
Start Current:	.9A 55Hz
Run Current:	.9A 55Hz

* No AC power is required directly by the 4711 disk drive

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*Main Office
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