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Macintosh IIci and IIfx: New 3.5-Inch 160MB SCSI Hard Drive

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TOPIC -----

Apple is now using a new 3.5-inch 160MB SCSI hard disk drive mechanism as an optional component in the Macintosh IIci and Macintosh IIfx. (It is not a separate product.) Here are the technical specifications for this drive mechanism.

DISCUSSION -----

Capacity

Formatted data capacity:	160MB
Data surfaces:	8
Heads per surface:	1
Block size:	512 bytes
Total disk blocks:	327,780
Sectors per track:	39

Characteristics

Average access time:	16 milliseconds, including settling
Transfer rate:	up to 1.5MB/sec (CPU/bus dependent)
Rotation speed:	3,600 RPM
Startup:	<20 seconds
Spindown:	<20 seconds

Physical

Form Factor:	3.5-inch, half height
Weight:	0.85 kg (30 ounces) without carrier
Size:	150 x 102 x 42 millimeters

Miscellaneous

Encoding method:	2,7 RLL (Run-Length Limited)
Servo mechanism:	Embedded sector servo
Actuator type:	Balanced Rotary Voice Coil

Landing zone: Dedicated (i.e. not on data)
Head Park and Lock: The actuator automatically parks and locks in the
landing zone at power down
Mounting: Any mounting orientation is supported

Environmental

Exceeds all Macintosh CPU environmental specifications (operating and non-operating temperature, humidity, altitude, vibration and shock).

Safety

UL, CSA and TUV certified

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