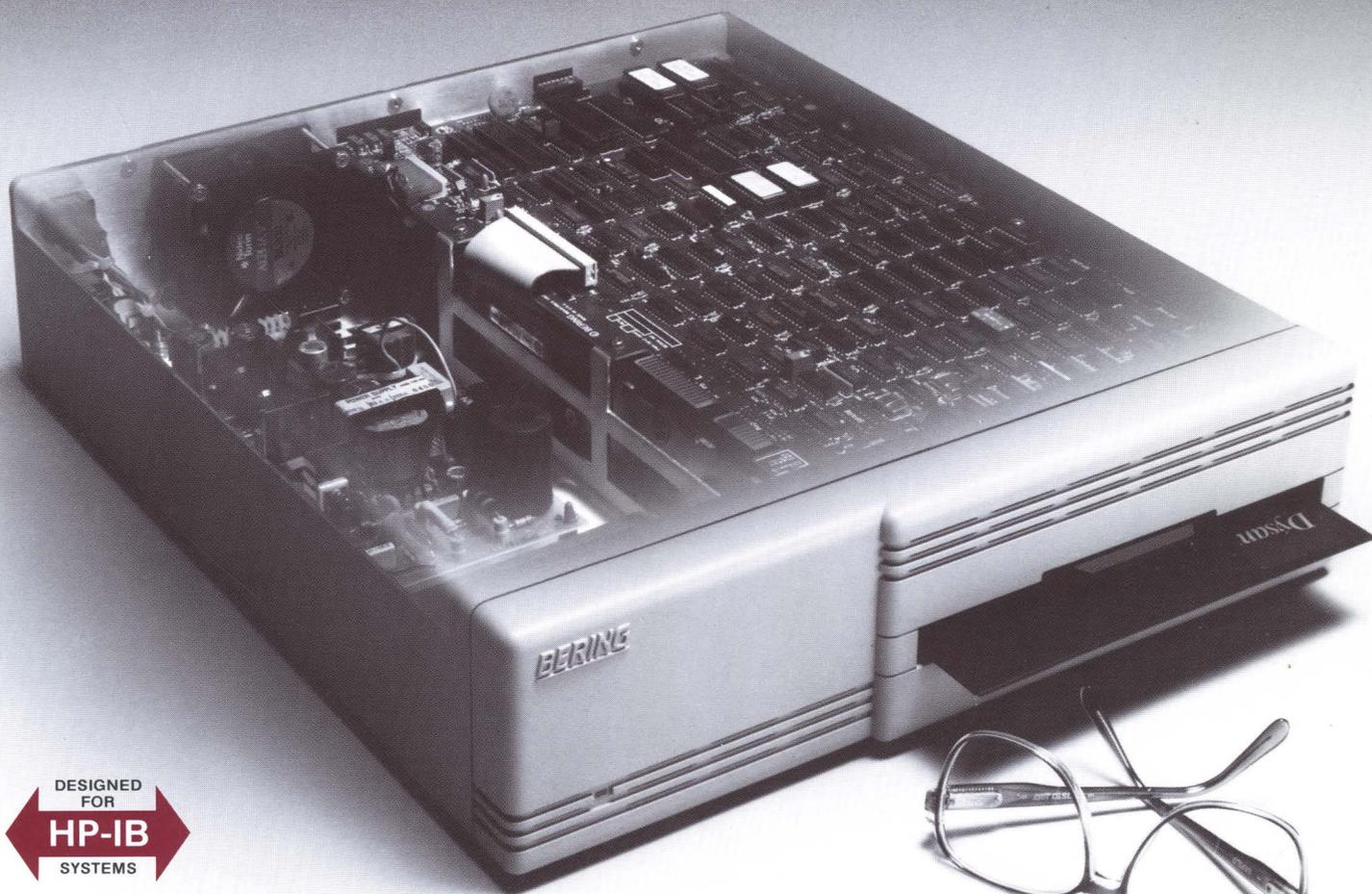


Bering 3800.

8" Floppy Disk Drive Subsystem for HP Computers



- Completely HP9895A compatible**
- IBM & HP media exchange capability**
- 1.2 megabytes of removable storage**
- Quiet operation**
- Compact design**

The Bering 3800 is an 8" floppy disk drive subsystem with a formatted capacity of 1.2 megabytes. It consists of a double-sided, double-density drive in a compact, low-profile enclosure, complete with power supply, controller, and an HP-IB¹ interface. The 3800 is designed for use with the following Hewlett-Packard computers: 250/260, 1000, 3000, 9000 Series 200/300/500, Series 80 and the older 98xx. It directly replaces the HP9895A 8" floppy disk subsystems or any built-in 8" floppy drive on HP computers (e.g., the 250/260). It also supports the IBM 8" diskette formats for data exchange.

Total HP compatibility

The Bering 3800 emulates the HP9895A. Connecting to your computer via the HP-IB, the 3800 is totally transparent to all HP operating systems and application software supporting the HP9895A. No software or hardware modification is needed.

Diskettes created on the Bering 3800 may be used with the HP9895A/9885, and vice versa. Detection for single-sided or double-sided diskettes is automatic.

IBM & HP data exchange

In addition to reading and writing all Hewlett-Packard's 8" floppy disk formats, the 3800 supports the full range of IBM diskette formats, including the IBM 3740. When an HP or IBM soft-sectored diskette is inserted, the 3800 automatically determines the recording format. With appropriate software on the host computer, data may be exchanged with a variety of other non-HP computer systems. For example: DEC RT-11, TRSDOS, and CP/M based computers. The IBM 3740 format is the media standard for CP/M software.

Reliability features

The disk drive subsystem uses a unique soft-touch read/write head that extends the service life of the head and the media. In addition, the controller will automatically power down the drive whenever the drive is idle. These special design features ensure years of trouble-free operation.

Easy maintenance and support

The Bering 3800 requires minimal maintenance. Each subsystem is equipped with extensive self-tests and

special LED displays to allow quick isolation of problems. All field-replaceable components can be installed by users or field engineers without special tools. For additional information, please contact your OEM, value-added reseller, or Bering Industries' authorized distributors worldwide.

- CP/M is a registered trademark of Digital Research Inc.
- IBM is a registered trademark of International Business Machines Corporation.
- DEC is a registered trademark of Digital Equipment Corporation.

SPECIFICATIONS

PERFORMANCE

Max. Transfer Rate (Kbytes/s)	610
Avg. Transfer Rate (Kbytes/s)	25.6
Avg. Latency (ms)	83.3
Avg. Seek Time (ms)	91
One-Track Seek Time (ms)	18

FORMATTED CAPACITY

	1-Sided	2-Sided
HP Double Density	0.59 MB	1.18 MB
IBM Single Density	0.32 MB	0.63 MB
IBM Double Density	0.63 MB	1.26 MB

POWER REQUIREMENTS

Line Voltage (Vac)	90 to 132	198 to 264
Line Frequency (Hz)	47 to 63	47 to 63
Current (Amp./max.)	1.1	0.6

MISCELLANEOUS

Interface	HP-IB
Rackmount	HP standard rack or 19" EIA/RETMA
Environmental	Normal office or laboratory conditions
Dimensions (H x W x D)	4.2" x 15.5" x 17.5"
Shipping Wt./Net Wt.	28/23 lb (15/10 kg)

SYSTEM REQUIREMENTS

COMPUTER

Series 80
Series 100
Series 250/260
9000 S200/300/500
9825T ²
9845B/C ²
1000 A/L/X/XL
1000 E/F/M
3000

HP ROM/DRIVER

0085-15001: 85A
None: 85B, 86A/B, 87
None
None
None
98228A
98413A/B/C
DD.30 & id. 37
DVA 32
HIOFLOPO

HP INTERFACE

82937A: 85A/B, 86A
None: 86B, 87
None
None
None
98034A revised/B
98034A revised/B
12009 interface
12821A interface
None

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¹HP-IB is Hewlett-Packard's implementation of IEEE-488.
²See Bering Ordering Information for alternatives.

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BERING™

Official Hewlett-Packard
Independent Hardware Vendor

Bering Industries, Inc.
1400 Fulton Place
Fremont, CA 94539 U.S.A.
Telex: 325606 BERING
TWX: 910-379-0015
Telephone (415) 651-3300

