

# Bering Series 3000.

A family of storage solutions for Hewlett-Packard computers.



High performance at a low price.

It's the key benefit of the Series 3000 family of Winchester disk subsystems. Which is exactly what you've come to expect from Bering—

the first company to specialize in HP-compatible disk drive subsystems.

The Series 3000 reflects our considerable experience. Take, for example, the range of our product line: We offer the

*widest choice of hard disk and floppy drives for HP systems.*

The Series 3000 also pays off with money-saving features like multi-port disk sharing. File sharing. Even local back-up and restore.

# 5, 10, 15, 30, 45, 60 megabytes of hard-disk storage

## HP913x disk drive emulation

## Disk and file sharing capabilities

## Built-in 3.5" 5.25" or 8" floppy

## HP-IB and fully HP-compatible

### A wealth of selections.

#### Affordable prices.

No matter the application, we have a family member that squarely answers your individual needs.

Just consider the hard facts of our Winchester disks. The Series 3000 includes storage capacities of 5, 10, 15, 30, 45, or 60 megabytes. All with a fast data transfer rate of 174 kilobytes/second\*.

We offer optional, built-in floppy drives, too. In 3.5" single-sided,\*\* 5.25" or 8" versions. And while all of these read or write HP formats, the 8" drive also supports the HP9885 and the IBM 3740 standards.

The Series 3000 even protects your existing software and hardware investment. The reason? You can choose from any of our four disk emulations to suit your particular operating system. Which means older HP systems can benefit from the most recent advances in mass storage technology. Without modification.

### Local back-up/restore.

The Series 3000 has other features that are equally sophisticated.

Such as back-up capabilities. At a simple touch of a button, our Option 401 lets users back-up data from hard disk to our built-in floppy drive. Without using the computer. It's a feature that also enables two users to share the floppy drive.

### Disk sharing to maximize efficiency and minimize cost.

Thanks to multi-port disk sharing Options 521 or 531, you can connect two or three different HP computers to a single Series 3000 subsystem. Here, each system not only has a dedicated hard-disk storage area at its port, but each user sets individual disk emulation, too.

It's a configuration that can accommodate distances up to 20 meters between computer and subsystem.

Again, without additional software or any software modification. All you need is ordinary HP-IB cable.

### File sharing.

#### A simple alternative to networks.

If your applications call for file sharing among several computers, a complex, expensive local area network (LAN) isn't necessarily the answer.

Our Option 660 Electronic File Sharing, however, is.

It lets you write or read a shared information space (SIS) by just calling on a simple subroutine. Once a user releases the SIS, it's then available to other users.

### Easy to service.

With the Series 3000, servicing is another advantage. Extensive built-in diagnostics of the entire family are designed to help you identify problems — rapidly and easily. Our telephone assistance line can put you in touch with factory experts.

The field-proven Series 3000 demonstrates Bering's ongoing commitment to help HP computer users maximize the potential of their systems. For more information about the Series 3000 or other high-performance Bering mass storage products, call your local HP dealer or call us.

## Specifications

### HARD DISK

Formatted Capacity (Mb)	4.8; 9.7; 14.5; 29.1	43.5; 58.0
Max. Transfer Rate (Kb/s)	610	610
Avg. Transfer Rate (Kb/s)	174	174
Avg. Seek (ms)	85	35
One Track Seek (ms)	18	8

### FLOPPY DRIVE

Sizes	3.5***	5.25"	8"
Formatted Capacity (Kb)	286	328	1180
Max. Transfer Rate (Kb/s)	610	610	610
Avg. Transfer Rate (Kb/s)	20.5	10.2	25.6
Avg. Latency (ms)	50.0	100.0	83.3
Avg. Seek (ms)	370	94	91
One Track Seek (ms)	35	18	18

### 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
Dimension	4.2"H x 15.5"W x 17.5"D
Shipping Weight/Net Weight	38/29 lb max.

### ORDERING INFORMATION

See Selection Guides

**Bering is an official  
Hewlett-Packard  
Independent  
Hardware Vendor**

# BERING™

Bering Industries, Inc.  
1400 Fulton Place  
Fremont, CA 94539  
Telephone 415/651-3300  
TELEX 171596  
TWX 910-379-0015

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\*System dependent.

\*\*The Series 3000 supports the single-sided microfloppy.

Our Series 8000 supports the double-sided. 0017-0020