



## MultiPac™ Jaz®

Removable Disk Subsystems  
For Hewlett-Packard Computers

Mass Storage Solutions For  
Legacy and New  
HP 9000 and 1000 Computers

HP-IB Interface



### MultiPac™ Jaz® Removable Disk Subsystems

(with optional combination dual Jaz or Fixed Hard Disk Disk)

#### MultiPac Jaz Removable Media Disk Drives

Bering has provided removable disk storage solutions for Hewlett-Packard technical and commercial computers spanning two decades. Our MultiPac Jaz® series use the latest removable disk media drives from IOMEGA Corporation.

Jaz drives have quickly become the industry standard for removable drive solutions. The fast 2.0 GB Jaz drives are great for many things. **Store** large image files. **Archive** important information (AKA: data) to keep it safe. **Expand** your storage capacity 2.0 GB at a time. **Transport** data, pick up a cartridge and carry it with you. **Exchange** data with other MultiPac systems. **Backup** the hard disk. Enough said.

#### Drop-In Replacements

Retrofitting your HP computer is less complicated than one might think. MultiPacs do not require additional software utilities or need any hardware changes. Most importantly, there is no need to "regenerate" the operating system when installing the new disk—just plug it in, configure, and get to work. Trust us, this saves time and massive headaches, particularly when retrofitting an old and obstinate HP 1000 system with RTE.

#### MultiPac Models

There are three basic model configurations for the MultiPac Jaz series: single Jaz drive, dual Jaz drives, and single Jaz plus a 2.0 GB fixed hard disk. The Jaz drives are fast, fast enough to use as the system disk and because they are removable, are convenient for backing up and archiving data.

The MultiPac Jaz Series 8501, 8502, and 8522 models support HP 9000 and HP 1000 systems to replace CS/80 disk drives with HP-IB interfaces. The 8522B supports AMIGO disk drives with HP-IB interfaces and the 6522M supports AMIGO disk drives with the MAC disk controller. Bering includes a separate 2000MX Disk Controller Kit with the 6522M to replace the computer's existing HP 13037A-D MAC Disk Controller.

#### MAC Multiple Disk Support—Master + Peripheral Disk

Bering also offers multiple disk support on a single HP 1000 system with MAC disk controller. The MultiPac 6522S serves as the "System" disk and supports up to six

6522P "Peripheral" disk subsystems.

#### Disk Emulation

Many legacy HP systems are limited in supporting specific HP disk drives. Bering's MultiPacs can emulate these older HP disk drives such as HP 7906 or HP 7907. In these cases Bering emulates the original disk drive by partitioning the HDD or Jaz media cartridge into multiple 10MB volumes or 20MB volumes or "RINGS." This limitation does not apply to CS/80 disk drives and the MultiPac does not need to specifically emulate a specific HP disk drive. (Note that specific disk emulation may dictate the actual disk volume size.)

#### LCD Controls and Disk Utilities

The MultiPac includes a front-panel LCD with push-button controls to use the system's built-in disk utilities. These utilities are useful for system configuration, set addresses, perform basic diagnostics, Ring-to-Ring copy, and to do off-line "disk-to-disk" copy functions.

#### HP Compatibility

Refer to Bering's Selection Guide on our website at [www.bering.com](http://www.bering.com) for specific O/S, Disk Emulation, and Bus Interface support on HP 1000 and HP 9000 computers. Alternatively, you may call Bering directly for assistance in selecting the right storage system for you.

**Bering Technology, Inc.** is the mass storage specialist for Hewlett-Packard 9000, 3000 and 1000 computers since 1981. Our company provides hard disk, removable disk, and tape solutions for a wide range of HP legacy systems.

# MultiPac™ Jaz® Removable Disk Subsystem Specifications

Models	Description	Interface	Disk Protocol
❑ 8501	MultiPac 2.0GB Jaz, Single Drive	HP-IB	CS/80 and SS/80
❑ 8502	MultiPac 2.0GB Jaz, Dual Drive	HP-IB	CS/80 and SS/80
❑ 8522	MultiPac 2.0GB Jaz + 2.0GB HDD	HP-IB	CS/80 and SS/80
❑ 8522B	MultiPac 2.0GB Jaz + 2.0GB HDD	HP-IB	AMIGO
❑ 6522M	MultiPac 2.0GB Jaz + 2.0GB HDD	MAC	AMIGO
❑ 6522S	MultiPac 2.0GB Jaz + 2.0GB HDD, System Disk with Multiple Disk Support	MAC	AMIGO
❑ 6522P	MultiPac 2.0GB Jaz + 2.0GB HDD, Peripheral Disk (Connects to 6522S)	SCSI	AMIGO

## Performance

	Jaz	HDD
Formatted Capacity (MB) <sup>2</sup>	2.0GB	1.0GB to 2.0GB
Avg. Seek Time (ms) <sup>2</sup>	10/12 (r/w)	10
Rotational Speed (RPM) <sup>3</sup>	5394	7200
Maximum HP-IB Speed (MB/sec) <sup>4</sup>	1.0	1.0
Maximum SCSI Speed(MB/sec) <sup>4</sup>	4.0	4.0

## Power Requirements

Line Voltage	90-260V
Line Frequency	47Hz-440Hz
Maximum Current	1.1 Amp

## Miscellaneous

Rackmount	HP Standard Rack or EIA/RETMA 19" Standard	
Unit Dimensions	Model 85xx/65xx	3" x 12.8" x 14" (76mm x 325mm x 356mm)
Net Weight	Up to 25 lbs. (11kg)	

<sup>1</sup> All information is subject to change without notice.

<sup>2</sup> Minimum formatted capacity at 1024 bytes/sector.

<sup>3</sup> Minimum rotational speed.

<sup>4</sup> All transfer rates are dependent on computer types and application environment.



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