

Bering

Bering●Box™

Disk and Tape Backup
For Hewlett-Packard Computers

SCSI Mass Storage Solutions For
HP 9000 and 1000 Computers

SCSI Interface

3 Steps to Build Your Own SCSI Storage Solution for HP 9000 & HP 1000A

Bering●Box SCSI storage subsystems are industrial strength storage subsystems with hard disk and/or DDS tape backup options. There are three steps, count them, three, to build your Bering●Box. They are:

- Step 1** Select the Bering●Box you want (with either SCSI-Ultra Narrow interface or Ultra-Wide SCSI interface).
- Step 2** Choose the hard disk or DDS tape drive option to build the right storage solution for your HP system.
- Step 3** Add a second storage option. Add a second hard drive for extra capacity or a DDS tape drive for your built-in backup drive.

Supported HP Computers and Operating Systems

Bering qualifies the best SCSI hard disks and DDS tape drives and tests them with HP computer systems to ensure complete compatibility. We support the following basic HP computer types and their corresponding operating systems:

- HP 9000 Series 700/800
 - HP-UX
- HP 9000 Series 700
 - HP-RT
- HP 1000 A-Series (A990, A400)
 - RTE-A
 - PA-RT

Bus Interfaces

Bering supports two different SCSI interface types on HP computers.

- SCSI (Ultra-Narrow)
 - HP 1000 A-Series
 - HP 9000 Series 700/800
- SCSI (Ultra-Wide)

Classic HP-IB Bus Interfaces

(Pssst. It's not a secret, Bering also has storage solutions for HP's legacy HP 9000 and HP 1000 computer systems with HP's proprietary HP-IB and HP37037/MAC interfaces. Refer to our "Retrofit" datasheets for more information.)

Storage Capacities

Bering qualifies the fastest and most reliable HDD in the commercial marketplace for use in the Bering●Box subsystems. Storage capacities range from 4.5GB all the way up to 18.0GB. You can add a DDS-2 or DDS-3 tape drive to perform the perfunctory and necessary



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SCSI Hard Disk & DDS Tape Backup Subsystems

backup as well. DDS-2 tape drives can back-up to 8.0GB and the DDS-3 tape drives can reach up to 24.0GB of compressed back-up.

"Drop-In" Compatibility

Installing and using your Bering●Box on your HP computer follows HP's standard set-up and formatting as found in your HP installation guide. Bering●Box solutions do not require additional software utilities or need any hardware changes.

HP Compatible Choices

Refer to Bering's Selection Guide on our website at 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 and 1000 computers since 1981. Our company provides hard disk, removable disk, and tape solutions for a wide range of HP systems.

Bering●Box SCSI HDD & DDS Tape Backup Subsystem Specifications¹

<u>Model</u>	<u>Description</u>	<u>Interface</u>	<u>HP System Support*</u>
800H	Bering●Box HDD + DDS Tape Backup Subsystem	SCSI Ultra-Narrow	
● Option 04	4.5GB HDD, Primary Module		1, 2
● Option 42	8.0GB DDS-2 Tape Drive, Primary Module		1, 2
● Option 43	24.0GB DDS-3 Tape Drive, Primary Module		2
800HW	Bering●Box HDD + DDS Tape Backup Subsystem	SCSI Ultra-Wide	
● Option 09	9.0GB HDD, Primary Module		2
● Option 18	18.0GB HDD, Primary Module		2
* 1	Computers Operating System	HP 1000 A990/A400 RTE-A, PA-RT	
2	Computers Operating Systems	HP 9000 Series 700 and 800 HP-UX	

Basic Performance Specs

HDD SPECS²	Option 04	Option 09	Option 18	Option 36
Formatted Capacity (GB)	4.55	9.10	18.2	36.4
Avg. Seek Time (ms)	9.5	5.2	5.2	5.7
Rotational Speed (RPM)	7,200	10,000	10,000	10,000
Maximum SCSI Speed (MB/sec)	40	80	80	80
MTBF (x 1000 POH)	800	1,000	1,000	1,000

DDS TAPE SPECS²	Option 42	Option 43
Formatted Capacity (Native/Compressed) (GB)	4.0/8.0	12.0/24.0
Media	DDS-1, DDS-2	DDS-1, DDS-2, DDS-3
Maximum SCSI Speed (MB/sec)	10	10
Search Speed (ms)	40	10,000
MTBF (x 1000 @12% Duty Cycle)	300	300

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 (Bering Model Number: ACCS-7206)
Unit Dimensions	Model 800H/800HW 3" x 12.8" x 14" (76mm x 325mm x 356mm)
Net Weight	Up to 25 lbs. (11kg)

¹ All information is subject to change without notice.

² All transfer rates are typical and dependent on computer types and application environment.



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