



OPTIPAC-3™ "8631AF"

Removable Hard Disk + MO Disk Storage Solutions
for Legacy Hewlett-Packard 9000 and 1000 Computers

OPTIPAC-3 8631AF—TOTAL REMOVABLE DISK STORAGE

The *OptiPac-3* model, 8631AF, is part of Bering's long tradition of removable drive solutions for Hewlett-Packard legacy computers. The 8631AF is a **total** removable solution with a 30GB Removable Hard Drive (RHD) designed for high performance demands and capacity combined with a 1.3GB Magneto-Optical Disk (MOD) as a secondary storage device that serves as the system's archival and backup drive. Both the RHD module and MOD disk media are removable and can be locked away for safety and security purposes. The 8631AF is the right removable choice to replace discontinued HP disk drives.

REPLACE THE HP7907 DISK DRIVE ON THE AIS TEST STATIONS

Bering's 8631AF is specifically designed to replace the legacy HP7907 disk drive on the AIS (Advanced Intermediate Shop) test systems. The 8631AF emulates the HP7907's 20MB fixed hard disk and the 20MB removable cartridge disk and connects to the HP1000 A900 via HP-IB interface. It supports the latest version of AIS's C&S and ST software.

SECURE YOUR DATA AND LOCK IT AWAY

The 8631AF is designed with classified and critical data in mind. The dual drive unit includes a high-speed RHD and an MOD. Both the RHD disk pack and the 3.5" MO disk media can be conveniently removed and stored in a safe or filing cabinet for security.

The dual removable drive OptiPac-3 unit is a versatile workhorse for the many chores that require long archival life, data security, data exchange, and transportation of large databases. **Store** large image files. **Archive** important data to keep it safe. **Expand** your storage capacity. **Transport** data, pick up a cartridge and carry it with you. **Exchange** data. **Backup** the hard disk.

SUPPORTED HP COMPUTERS

- HP1000 A900
 - RTE-A

DROP-IN REPLACEMENTS AND RING VOLUMES

Retrofitting your legacy HP7907 disk drive on the AIS is simple—no additional software utilities, no hardware changes, and no need to *regen* the operating system. Plug in the 8631AF, configure the drive and HP-IB address, and get to work.

The OptiPac-3 8631AF partitions the RHD into multiple volumes called "RINGS" that emulate 20MB volumes of the HP7907. The RHD is formatted at 200MB and holds 10 RINGS on the RHD. RING "H00" is designated as the *fixed* disk of the HP7907. The RHD includes 9 additional RINGS of 20MB each that emulate the HP7907's removable cartridge drive. The MOD supports 10 RINGS and is designated as the HP7907's removable drive. A total of 19 RINGS (9 on the RHD and 10 on the MOD) emulate the HP7907 cartridges. Each RING is equivalent to one HP7907 20MB disk cartridge. RINGS can be conveniently copied to the MOD for backup.

LCD CONTROLS AND DISK UTILITIES

The OptiPac-3 8631AF includes a front-panel with push-button



OPTIPAC-3 8631AF

RHD + MOD Removable Disk Subsystems
HP-IB Interface



• Replace *HP7907* Disk Drives on AIS Test Systems •



controls to use the subsystem's built-in LCD disk utilities. These utilities are useful for drive configurations, set addresses, basic diagnostics, and to do off-line "Disk-To-Disk" and "Ring-To-Disk" copy functions.

THE COMPANY

Bering Technology, Inc. is the original third party storage specialist for legacy Hewlett-Packard 9000 and 1000 computers. Since 1981, the company has provided the HP users an alternative source for hard disk, removable disk, tape backup, application and utility software, and engineering solutions.



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OPTIPAC-3 8631AF Removable Disk Subsystem

~SPECIFICATIONS~

<u>MODEL</u>	<u>DESCRIPTION</u>	<u>INTERFACE</u>	<u>DISK PROTOCOL</u>
8631AF	30GB Removable Hard Disk (RHD) + 1.3GB MO Disk (MOD) <ul style="list-style-type: none">• Emulates HP7907A Disk Drive• 10 RING Volumes of 20MB on each drive	HP-IB	CS/80, SS-80

<u>PERFORMANCE</u>	<u>MO ISO/IEC 15041 0/W²</u>	<u>MOD (GIGAMO)</u>	<u>RHD</u>
FORMATTED CAPACITY ³	634MB/533MB/228MB/127MB	1.27 GB	200 MB
AVG. SEEK TIME (MS)	28	28	10
ROTATIONAL SPEED (RPM)	4500	3214	7500
MAX. HP-IB SPEED (MB/SEC) ⁴	1.0	1.0	1.0

POWER REQUIREMENTS

LINE VOLTAGE	90-260V
LINE FREQUENCY	47Hz-440Hz
MAX. CURRENT	1.1 AMP

MISCELLANEOUS

INTERFACE	HP-IB
RACKMOUNT	HP STANDARD RACK (EIA/RETMA 19" STANDARD RACK)
UNIT DIMENSIONS	3" x 12.8" x 14" (77MM x 325MM x 356MM)
SHIPPING DIMENSIONS	11" x 21" x 21" (280MM x 533MM x 533MM)
AVG. NET WT. (UNIT/BOX)	15Lbs. (6.8Kgs.)/22Lbs. (10Kgs.)
AVG. NET WT. (BDL BOX)	41Lbs. (19Kgs.)
WARRANTY	ONE YEAR LIMITED

ACCESSORIES

DESCRIPTION

ACCS-3070	1.3GB GIGAMO DISK MEDIA, 3.5", SINGLE
ACCS-3071	1.3GB GIGAMO DISK MEDIA, 3.5", 5-PACK
ACCS-3072	30GB RHD DISK MODULE, FORMATTED
ACCS-3513	HEAD CLEANER + OPTICAL DISK MEDIA CLEANING KIT (RECOMMENDED USE: 1X PER 3 MONTHS)
ACCS-3514	OPTICAL DISK MEDIA CLEANING KIT ONLY
ACCS-7207	19" STD. RACKMOUNT KIT FOR OPTIPAC-3 8631AF/8602AF (WITHOUT RAILS) NSN: 5975-01-524-4812

ORDERING NUMBERS

01-18631-20	8631AF-BDL, 8631AF DDU BUNDLED WITH ACCS-7207 RACKMOUNT NSN: 7025-01-524-5366
02-18631-81	8631AF-UPG, UPGRADE KIT TO CONVERT 8602AF DDU TO 8631AF KIT INCLUDES 20GB RHD, HARDWARE, FIRMWARE

¹ ALL INFORMATION IS SUBJECT TO CHANGE WITHOUT NOTICE.

² SUPPORTS *Over-Write* MO DISK MEDIA.

³ FORMATTED CAPACITY AT 1024 BYTES/SECTOR.

⁴ ALL TRANSFER RATES ARE DEPENDENT ON COMPUTER TYPE AND APPLICATION ENVIRONMENT.



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