ARRAID®
Data Storage Solutions

The Arraid AEM-8 is the world's <u>only</u> 100% solid-state replacement for obsolete HP-IB and Bering Technology disk drives, MO drives, and tape drives.

The Arraid AEM-8 is Versatile

The AEM-8 can be modified via the front control panel, to emulate the model of **HP-IB or Bering** storage device that needs to be replaced.

The Arraid AEM-8 is Made in America

We design, build, and test our products in **Phoenix AZ**. Each AEM-8 device is custom-built by hand, by American workers.

The Arraid AEM-8 is USAF ATE Ready

The AEM-8, designed over a decade ago, can add significant life to USAF and allied military ATE. The AEM-8 has been thoroughly tested as **a Plug & Play replacement** for legacy HP-IB disk or tape drives, and the emulator products previously manufactured by Bering Technology.

Arraid LLC. 26 W Lone Cactus #500, Phoenix, AZ 85027

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AEM-8 Datasheet 05/17/22

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The Arraid AEM-8 is Easy to Install, Operate, and Maintain

The AEM-8 **uses the exact same cables** and terminators (if applicable) as the device being replaced. There are **no software changes** required. The host computer thinks it is talking to the peripheral that was replaced. The AEM-8 can also be used in a daisy chain with obsolete devices. Because the AEM-8 is fully solid-state, there is near **zero maintenance**, and these devices have an extremely **high MTBF**. Any operational or support training, is minimal.

The Arraid AEM-8 can Emulate the Following HP-IB Devices:

C2200, **C2202**, **C2203**

7906, **7907**, **7908**, **7911**, **7912**, **7914**, **7920**, **7925**, **7933**, **7935**, **7936**, **7937**, **7941**, **7942**, **7945**, **7946**, **7957**, **7958**, **7959**, **7961**, **7962**, **7963**

9144, **9145**

NOTE: The emulation options listed above in **RED**, are directly programable from the front control panel of the AEM-8. These emulation options are **built into the AEM-8 software**. The other devices listed reflect feedback from our client base as to what drives they were able to emulate using the AEM-8. Additional drives may also be possible if they are similar to the existing emulations.

The Arraid AEM-8 can Replace the Following Bering Devices:

OptiPac, EconoPac, 6012458-008, 8032AF, 6012458-005, 8631AF, 6012458-002, 8602, 8502, and others.

NOTE: The AEM-8 can replace most of the devices made by Bering. Please contact us with your specific requirements.

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The Arraid AEM-8 has the Following Features:

The AEM-8 is a field-tested disk drive and tape drive emulator, with a solid track record of reliable performance. **The AEM-8 is the last and only available option**, when you need to keep a critical early-model HP computer platform running with reliability.

The AEM-8 has no moving parts except for the cooling fans, and the emulation code has been performing reliably in critical applications for many years. This is proven technology.

The AEM-8 features:

- Direct Plug & Play Replacement
- No Software Changes
- Solid-State Hardware
- Multiple Emulation Options
- Hard Drive and Magneto Optical (MO) Emulations
- Tape Drive Emulations
- 19" Rack Mount
- Compact Flash (CF) Media (MLC & SLC)
- Self-Test on Start-Up and Diagnostic Port
- Device Emulation is Reprogrammable

The Arraid AEM-8 has the Following Options:

Each AEM-8 is a custom-made device. There are multiple variations available. Each AEM-8 is made to order. Possible options are:

- Multi-Volume Sectoring of up to 100 Devices
- Copy/Backup for Save & Restore, to a Secondary Internal Device
- Ethernet Access to Internal Peripherals (via non-host laptop)
- Increase in Disk Capacity via Emulation and/or CF Card
- CF Card Access Can Be Open or Closed (for added security)

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The Arraid AEM-8 is Available in Four Base Models:

The AEM-8 is available in four base models, which can be further customized to meet the end-user's specific requirements. The four base models are:

- **AEM-8**   This device has a solid-state **hard drive emulator** as the primary drive, with a 1GB SLC industrial-class CF card. The secondary drive is a solid-state **MO drive emulator**, also with a 1GB SLC CF card. The hard drive CF slot can be open or enclosed, for added safety. The MO CF slot is usually open. This device includes multi-volume support and copy/backup support.

- **AEM-8/NB**   This device has a solid-state **hard drive emulator** as the primary drive, with a 1GB SLC industrial-class CF card. The hard drive CF slot can be open or enclosed, for added safety. This device includes multi-volume support.

- **AEM-8/HDD**   This device has **dual** solid-state **hard drive emulators**, each with a 1GB SLC industrial-class CF card. Either hard drive CF slot can be open or enclosed, for added safety. This device includes multi-volume support and copy/backup support.

- **AEM-8/RMC**   This AEM-8 base model is a tape drive emulator, with a solid-state **MO drive emulator** as the internal drive, with a 1GB SLC industrial-class CF card.

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