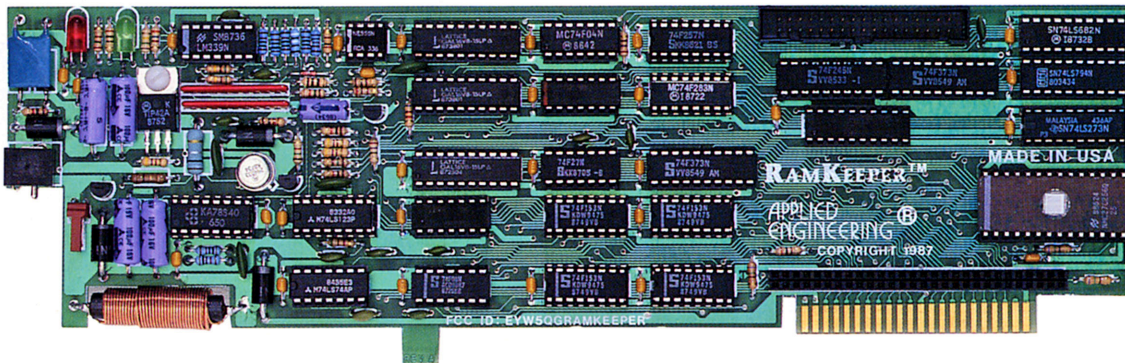


RamKeeper™

Compatible with IIGs



For the “Instant On” Apple IIGs

Permanent Storage with an “Electronic Hard Disk”

Now when you turn on your IIGs your favorite program can appear on screen in just a few seconds! With RamKeeper, your IIGs memory card will retain stored programs and stored data while your IIGs is turned off. RamKeeper allows you to divide your IIGs memory into part “electronic hard disk” and part RAM for your programs workspace—in almost any way you want and at anytime you want. GS-RAM, GS-RAM Plus, Apple IIGs memory card and most other IIGs memory cards are compatible with RamKeeper.

Supports Up to Two IIGs Memory Cards at the Same Time

If you bought your IIGs with Apple’s memory card and later wished you had the GS-RAM, no problem. RamKeeper will support both cards plugged into RamKeeper simultaneously!

How It Works

Just unplug your IIGs memory card from your computer, plug your IIGs memory card into RamKeeper, plug RamKeeper into the IIGs memory slot. If you have another IIGs memory card, an additional card socket on RamKeeper will accommodate your second card. That’s all there is to it!

Reliability from the Most Experienced

Applied Engineering has the most experience in the industry with battery-backed memory for the Apple so you are assured of the most reliable memory back-up system available. And in the world of battery-backed memory, *reliability* is everything! That’s why Applied Engineering uses the more dependable Gel-Cell’s instead of Ni-Cad batteries (if Ni-Cad’s aren’t discharged periodically, they lose much of their capacity). RamKeeper has close to 6 times (about 6 hours) the “total power failure” back-up time of other systems. When power returns, RamKeeper automatically recharges the battery to full charge. With power from your wall outlet, RamKeeper will back-up your IIGs memory cards RAM indefinitely.

RamKeeper Has and Does It All!

- Allows instant access to your programs without slow disk delays
- Configure Kilobytes or Megabytes of instant ROM storage for your favorite programs
- Reduces power strain to your internal IIGs’ power supply

- Contains back-up and status L.E.D.’s
- Can support up to two IIGs memory cards simultaneously—2 GS-RAMs or 1 GS-RAM and 1 other
- Supports both 256K installed memory chip boards like GS-RAM and the Apple IIGs Memory Expansion Card as well as 1 MEG installed memory chip boards like GS-RAM Plus
- Slot-Mover Option — if slot 7 in your IIGs is occupied, and you are going to use two cards, this option will move the front-side card out of the way.
- 5 year warranty — parts and labor
- Proudly made in the U.S.A.
- RamKeeper comes *complete* with battery, software and documentation

RamKeeper

\$189

Slot-Mover Option

\$39



and C.O.D. 214/241-6060

Permanent storage with an "electronic hard disk."

Now when you turn on your IIGS, your favorite program can appear on screen in just a few seconds! With RamKeeper™, your IIGS memory card will retain stored programs and stored data while your IIGS is turned off. RamKeeper allows you to divide your IIGS memory into part "electronic hard disk" and part RAM for your programs workspace—in almost any way you want and at anytime you want. GS-RAM, GS-RAM Plus, Apple IIGS memory card and most other IIGS memory cards are compatible with RamKeeper.

Supports up to two IIGS memory cards at the same time.

If you bought your IIGS with Apple's memory card and later wished you had the GS-RAM, no problem. RamKeeper will support both cards plugged into RamKeeper simultaneously. And even with two cards, you can still keep slot 7 open with our optional Slot-Mover™.

How it works:

Just unplug your IIGS memory card from your computer, plug your IIGS memory card into RamKeeper, plug RamKeeper into the IIGS memory slot. If you have another IIGS memory card, an additional card socket on RamKeeper will accommodate your second card. That's all there is to it.

Reliability from the most experienced.

Applied Engineering has the most experience in the industry with battery-backed memory for the Apple. With our RamKeeper, you are assured of the most reliable memory backup system available. And in the world of battery-backed memory *reliability* is everything.

That's why we use the more dependable Gel/Cell's instead of Ni-Cad batteries (if Ni-Cads aren't discharged periodically, they lose much of their capacity).

RamKeeper has close to six times (about 6 hours) the "total power failure" backup of other systems. When power returns, RamKeeper automatically recharges the battery to full charge, and the sealed battery pack stays *outside* your computer case, where an unlikely leak won't ruin your computer circuitry.

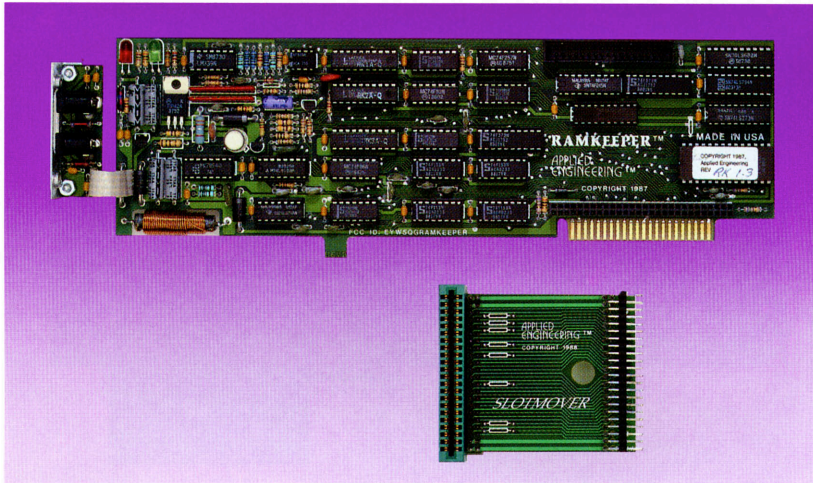
RamKeeper uses a Switching Power

Supply - the same technology used by Apple for the IIGS power supply. This design uses energy much more efficiently to keep your Apple running cooler. With power from your wall outlet, RamKeeper will backup your IIGS memory card's RAM indefinitely.

Free AppleWorks Enhancement software.

Our powerful AppleWorks Enhancement software is included in RamKeeper's price and is well worth the

- RamKeeper configures linearly to eliminate memory gaps, others don't
- RamKeeper includes EPROM-protected operating software, other use floppy installation
- RamKeeper's software expands AppleWorks internal limits, others don't
- RamKeeper includes disk-caching software, others don't
- RamKeeper comes *complete* with battery, software and documentation



RamKeeper

Slot-Mover

purchase price alone. See a complete description under the "Software" heading on the previous page.

Significant differences:

Applied Engineering's longer experience with battery-backed memory cards shows in the way we designed RamKeeper. There are significant differences between RamKeeper and other systems:

- RamKeeper comes *complete* with battery for 6 hours of total power failure backup, others use shorter-life Ni-Cads and charge extra for them
- RamKeeper has external battery storage, others have risky internal storage
- RamKeeper powers up to 16 MEG, others power only up to 8 MEG maximum
- RamKeeper permits mixing and matching different memory cards and chip sizes, others have more limited combinations
- RamKeeper configures via the IIGS Control Panel instantly, others require special pre-boot software
- RamKeeper automatically configures for two cards, others have manually-moved jumpers

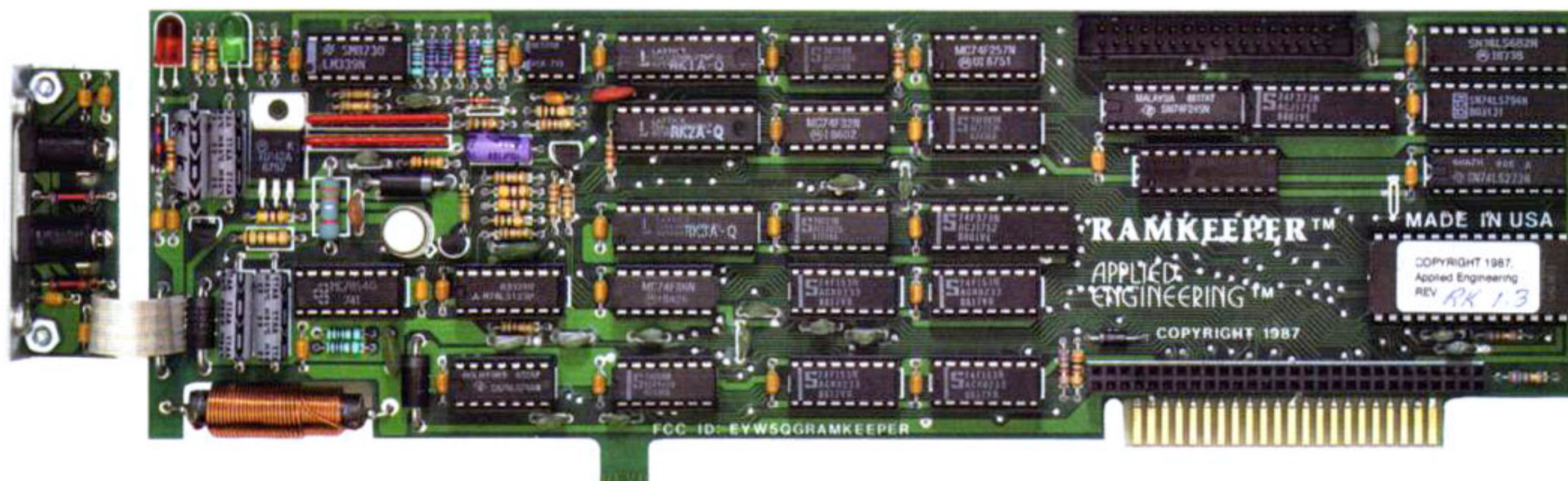
- Full 5 year warranty
- Proudly made in the U.S.A.

RamKeeper \$189
Slot-Mover Option \$39
Additional Gel/Cell Battery for even longer emergency backup life (one is included) \$15



An "electronic
hard disk"
for \$189.

RamKeeper™ If not the first board you add to your IIGS



Certainly the second.

Chances are the first board you add to your computer will be for memory expansion. RamKeeper™ makes a smart second addition by performing *two important tasks*:

First, it gives you a sensible way to grow beyond the Apple memory expansion board that probably came with your IIGS. Apple's board has room for only 1 MEG of memory, and the new, integrated programs need a MEG just to boot.

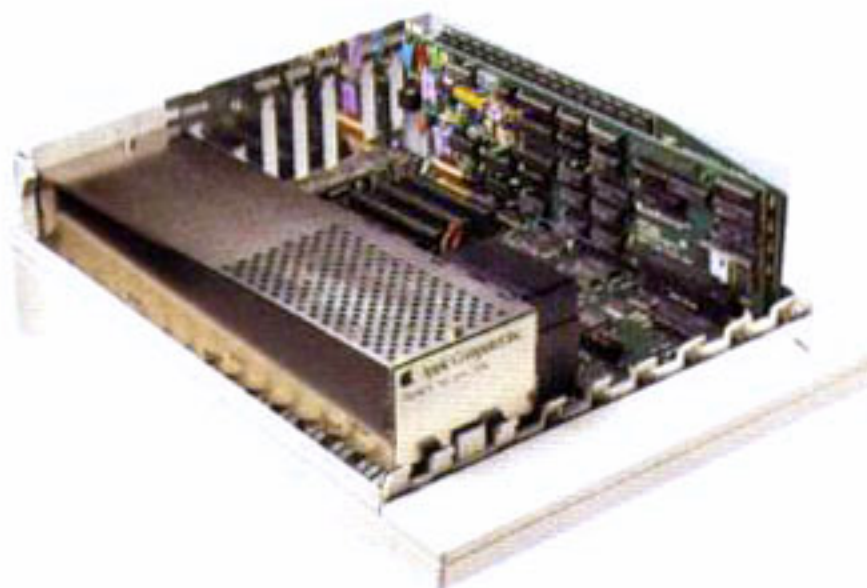
RamKeeper lets you add a second memory board to your memory expansion slot with a special "back pocket" connector. That way, you can use your 1 MEG Apple board and still expand beyond its 1 MEG limit. And RamKeeper "sees" the two boards as one, so all you'll notice is the increased memory.

Second, RamKeeper creates battery-backed Ram and ROM. Safely store your system software, often-used application programs and most-needed files on RamKeeper-enabled ROM. It's like an internal, electronic hard disk (up to 16 MEG!), but five times faster than an ordinary hard disk.

Turn your computer on and see the finder in 13 seconds, instead of several minutes.

Safe storage

RamKeeper powers up to two memory boards simultaneously, even when your computer is turned off. What's more, the stored programs are protected against power outages by the reliable Gel/Cell battery we include. Startup checksums are employed to verify that no data was lost



RamKeeper is easy to install and stores programs in an "instant on" electronic hard disk.

while the power was off. To protect the operating software against program crashes, we installed RamKeeper's controlling firmware in an EPROM.

You can even mix different brands of boards. For example, an Apple board with at least 512K of memory (based on 256K x 1 chips), and AE's (MEG-chip based) GS-RAM Plus™ or GS-RAM Ultra™ boards. And most all other brand and size combinations are also possible.

Advanced enough to be easy

We designed RamKeeper to be easy to use. Instructions are clear and most functions are automatic. For example, there's no need to manually configure if you add a second board, it's done automatically. The configuring is linear, so there's less chance of a program crash. And *you* decide how much memory to devote to ROM and to RAM—all without affecting your stored files.

Compare features:

RamKeeper includes a collection of important features like *disk caching* that

tremendously accelerates access time to the 3.5 drive, running most applications up to *seven times faster*.

Our *diagnostic utility* feature graphically detects the presence of bad or improperly-installed chips and tests for CAS before RAS chips.

And RamKeeper features Applied Engineering's meticulous craftsmanship, 5-year warranty, 15-day money-back guarantee* and our American-made pride.

Use AppleWorks?

AppleWorks users will find another bonus. Our AppleWorks enhancement package dramatically increases AppleWorks word processor lines from 7,250 to 22,500. Database records are increased from 6,350 to 22,500 and clipboard capacity climbs from 255 lines to 2,042.

RamKeeper

\$189

Order today!

To order or for more information, see your dealer or call (214) 241-6060 today, 9 am to 11 pm, 7 days. Or send check or money order to Applied Engineering, MasterCard, VISA and C.O.D. welcome. Texas residents add 7% sales tax. Add \$10 outside U.S.A.

AE APPLIED ENGINEERING®

The Apple enhancement experts.

A Division of AE Research Corporation.

(214) 241-6060

P.O. Box 5100, Carrollton, TX 75011

Prices subject to change without notice. Brands and product names are registered trademarks of their respective holders.

*When purchased from Applied Engineering or thru a participating dealer.