

6: RamWorks Memory Configuration

Introduction

This chapter provides the information required to add and configure memory on your RamWorks main board. It contains the specifications for the RAM (Random Access Memory) chips, tells where you can get them, and then, how to install them. Instructions for installing the 512K Expander or the 2 Meg Plus "piggy-back" boards are included with the Memory Expander cards.

The Proper Memory Chips

Selecting the proper RAM chips for RamWorks can be tricky. There are several chip manufacturers and many different types and specifications of chips available. RamWorks and the RamWorks Memory Expander card can use either 64K or 256K RAM Dual In-Line Package (DIP) chips. You must use DYNAMIC RAM chips which have a speed specification of 200 nS (nanoseconds) or faster. Applied Engineering recommends a rating of 150 nS.

You can get the 64K and 256K memory chips with the correct specifications at some computer or electronics parts stores. Or you can get them through Applied Engineering; possibly at lower cost. Because Applied Engineering gets bulk-quantity discounts on its purchases of memory chips, they can often offer them at lower prices. We use high-quality memory chips and warrant them for 5 years. (Most electronics parts vendors sell their chips "as is".) When you get Applied Engineering memory chips, we assure you that they are the correct chips.

Memory Chip Installation

Note: You may return your RamWorks and/or RamWorks Memory Expander card to Applied Engineering for a memory upgrade with no additional charge for the installation or testing. Call Applied Engineering Sales for the latest memory chip prices and get a Return Material Authorization (RMA) number. The Sales telephone number is (214) 241-6060.

If, however, you would rather install them yourself--read on.

Warning! Don't ZAP your chips! The //e, the RamWorks board and the Memory Expander cards have many static sensitive components. Be very careful to discharge any static electricity on your body by touching the //e power supply case before you touch any of the components!

The main RamWorks card can have from 64K to 1024K of memory installed using 64K chips, 256K chips, or a combination of both. (If your RamWorks replaces an Apple Extended 80 Column Text card, you may be able to install the Extended 80 Column card's 64K chips on your RamWorks.)