

Installing DRAM

SIMM Banks

The PM-900 can accommodate on-board memory from 2MB to 192MB using SIMMs (Single-In-Line Memory Modules). The mainboard has three memory banks — Bank 0, Bank 1, and Bank 2. Each bank has two SIMM sockets which can accept either a 1MB, 4MB, 16MB, or 32MB SIMM in each socket.

DRAM Configuration

Memory can be installed in a variety of configurations, as shown in the following table:

TOTAL MEMORY	BANK 0 (72-PIN x 2)	BANK 1 (72-PIN x 2)	BANK 2 (72-PIN x 2)
2MB	1MB & 1MB		
4MB	1MB & 1MB	1MB & 1MB	
6MB	1MB & 1MB	1MB & 1MB	1MB & 1MB
8MB	4MB & 4MB		
10MB	4MB & 4MB	1MB & 1MB	
12MB	4MB & 4MB	1MB & 1MB	1MB & 1MB
16MB	4MB & 4MB	4MB & 4MB	
18MB	4MB & 4MB	4MB & 4MB	1MB & 1MB
24MB	4MB & 4MB	4MB & 4MB	4MB & 4MB
32MB	16MB & 16MB		
34MB	16MB & 16MB	1MB & 1MB	
36MB	16MB & 16MB	1MB & 1MB	1MB & 1MB
40MB	16MB & 16MB	4MB & 4MB	
42MB	16MB & 16MB	4MB & 4MB	1MB & 1MB
48MB	16MB & 16MB	4MB & 4MB	4MB & 4MB

Table 3-1. Memory Configuration

TOTAL MEMORY	BANK 0 (72-PIN x 2)	BANK 1 (72-PIN x 2)	BANK 2 (72-PIN x 2)
64MB	16MB & 16MB 32MB & 32MB	16MB & 16MB	
66MB	16MB & 16MB 32MB & 32MB	16MB & 16MB 1MB & 1MB	1MB & 1MB
68MB	32MB & 32MB 16MB & 16MB	1MB & 1MB 16MB & 16MB	1MB & 1MB
72MB	32MB & 32MB 16MB & 16MB	4MB & 4MB 16MB & 16MB	4MB & 4MB
74MB	32MB & 32MB 32MB & 32MB	4MB & 4MB 4MB & 4MB	1MB & 1MB
80MB	32MB & 32MB 16MB & 16MB	4MB & 4MB 16MB & 16MB	4MB & 4MB 16MB & 16MB
96MB	32MB & 32MB 16MB & 16MB	16MB & 16MB	
98MB	32MB & 32MB 32MB & 32MB	16MB & 16MB 16MB & 16MB	1MB & 1MB
104MB	32MB & 32MB 32MB & 32MB	16MB & 16MB 16MB & 16MB	4MB & 4MB
128MB	32MB & 32MB 32MB & 32MB	16MB & 16MB 32MB & 32MB	16MB & 16MB
130MB	32MB & 32MB 32MB & 32MB	32MB & 32MB 32MB & 32MB	1MB & 1MB
136MB	32MB & 32MB 32MB & 32MB	32MB & 32MB 32MB & 32MB	4MB & 4MB
160MB	32MB & 32MB 32MB & 32MB	32MB & 32MB 32MB & 32MB	16MB & 16MB
192MB	32MB & 32MB	32MB & 32MB	32MB & 32MB

Table 3-1. Memory Configurations (continued)

→ **NOTE : All memory banks use 72-pin memory modules.**

Installation Instructions

→ **NOTE : Always observe static electricity precautions. See "Handling Precautions" at the start of this manual.**

1. Locate the SIMM banks on the mainboard. Determine your desired configuration to be installed.
2. Insert the SIMM edge connector at a 90-degree angle onto the socket.