

Installing DRAM

SIMM Banks

486-GVT can accommodate on-board memory from 1 to 96MB using SIMMs (Single-In-Line Memory Modules). The motherboard has three memory banks—Bank 0, 1, 2. Each bank can accept either a 256Kb, 1Mb, 4Mb, or 16Mb SIMM in each socket.

DRAM Configuration

Memory can be installed in a variety of configurations, as shown in the next table.

| | BANK 0 (30-PIN) | BANK 1 (72-PIN) | BANK 2 (72-PIN) |
|--------------|--------------------|--------------------|--------------------|
| TOTAL MEMORY | 256K x 4 | 1M x 1 | 1M x 1 |
| 1MB | 256K x 4 | 1M x 1 | 1M x 1 |
| 2MB | 256K x 4 | 1M x 1 | 1M x 1 |
| 3MB | 256K x 4 | 1M x 1 | 1M x 1 |
| 4MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 5MB | 256K x 4 | 4M x 1 | 4M x 1 |
| 6MB | 1M x 4 | 1M x 1 | 1M x 1 |
| 7MB | 1M x 4 | 4M x 1 | 4M x 1 |

Table 3-1 DRAM Configurations

486-GVT

| | BANK 0 (30-PIN) | BANK 1 (72-PIN) | BANK 2 (72-PIN) |
|--------------|--------------------|--------------------|--------------------|
| TOTAL MEMORY | 256K x 4 | 4M x 1 | 1M x 1 |
| 6MB | 256K x 4 | 1M x 1 | 4M x 1 |
| 7MB | 1M x 4 | 1M x 1 | 1M x 1 |
| 8MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 9MB | 256K x 4 | 4M x 1 | 4M x 1 |
| 10MB | 1M x 4 | 1M x 1 | 4M x 1 |
| 11MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 12MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 13MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 14MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 15MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 16MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 17MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 18MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 19MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 20MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 21MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 22MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 23MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 24MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 25MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 26MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 27MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 28MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 29MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 30MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 31MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 32MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 33MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 34MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 35MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 36MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 37MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 38MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 39MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 40MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 41MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 42MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 43MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 44MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 45MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 46MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 47MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 48MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 49MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 50MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 51MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 52MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 53MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 54MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 55MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 56MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 57MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 58MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 59MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 60MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 61MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 62MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 63MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 64MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 65MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 66MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 67MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 68MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 69MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 70MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 71MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 72MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 73MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 74MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 75MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 76MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 77MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 78MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 79MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 80MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 81MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 82MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 83MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 84MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 85MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 86MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 87MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 88MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 89MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 90MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 91MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 92MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 93MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 94MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 95MB | 1M x 4 | 4M x 1 | 4M x 1 |
| 96MB | 1M x 4 | 4M x 1 | 4M x 1 |

Table 3-2 DRAM Configurations (continued)

486-3VT