

Section 1 System Memory Expansion

There are a total of 8 SIMM sockets which divided into two banks labelled 'Bank 0' and 'Bank 1' on the System Board. The system board can support 256K x 9 SIMMs, 512K x 9 SIMMs, 1M x 9 SIMMs or 4M x 9 SIMMs. The DRAM speed should be 80ns or faster. The system board can also support 'x8' SIMMs provided the parity is disabled, refer to **Setup Menu** in Part B BIOS Reference for details on disabling parity.

The following are the supported DRAM configurations

Bank 0	Bank 1	Total Memory
256K	none	1MB
256K	256K	2MB
1M	4M	20MB
1M	none	4MB
512K	none	2MB
512K	512K	4MB
1M	1M	8MB
4M	none	16MB
4M	4M	32MB

For location of banks on system board, refer to Section 5.

Section 2 Video Memory Expansion

The Local Bus VGA function on the 486 system board comes with at least 512K Bytes display RAM, and allows upgrading to maximum 1M Bytes display RAM. Some selected models are already equipped with 1M Bytes display RAM, in which no further expansion will be needed.

The amount of display RAM installed will determine the available display mode. The higher the display RAM size, the higher the screen resolution and color is allowed.

To expand from 512K Display RAM to 1M Display RAM, the following IC chips are needed:

<u>Item</u>	<u>Qty</u>
DIP DRAM 256K x 4, 70ns or faster	4

To install the DRAM chips, you may have to remove the Power Supply Unit first. Refer to your system unit User's Manual for instructions. For some selected models, the area for Display RAM expansion is exposed and Power Supply Unit removal is not needed.

The DRAM Chips should be inserted at Video BANK 1 of the motherboard, i.e. locations U58, U59, U60, U61. Refer to Section 5 for exact location of this BANK of display RAM. Make sure that the orientation of the chips installed at BANK 1 must be same as those at BANK 0.