Dual Channel Memory Configuration

GA-8I945PL-G supports the Dual Channel Technology. After operating the Dual Channel Technology, the bandwidth of Memory Bus will add double. GA-8I945PL-G includes 4 DIMM sockets, and each Channel has two DIMM sockets as following:

▶▶ Channel A : DDR II 1, DDR II 2

▶▶ Channel B : DDR II 3, DDR II 4

If you want to operate the Dual Channel Technology, please note the following explanations due to the limitation of Intel chipset specifications.

1. Dual Channel mode will not be enabled if only one DDR II memory module is installed.
2. To enable Dual Channel mode with two or four memory modules (it is recommended to use memory modules of identical brand, size, chips, and speed), you must install them into DIMM sockets of the same color.

The following is a Dual Channel Memory configuration table: (DS: Double Side, SS: Single Side)

	DDR II 1	DDR II 2	DDR II 3	DDR II 4
2 memory modules	DS/SS	X	DS/SS	X
	DS/SS	X	X	DS/SS
	X	DS/SS	DS/SS	X
	X	DS/SS	X	DS/SS
4 memory modules	SS	SS	SS	SS

Memory Frequency will be reduced form 533MHz down to 400MHz in the following memory configuration table: (DS: Double Side, SS: Single Side)

	DDR II 1	DDR II 2	DDR II 3	DDR II 4
2 memory modules	SS	SS	X	X
	X	X	SS	SS
3 memory modules	SS	SS	DS/SS	X
	SS	SS	X	DS/SS
	DS/SS	X	SS	SS
	X	DS/SS	SS	SS
4 memory modules	SS	SS	SS	SS