

P7P55/P7H57/P7H55 series motherboards installation notices

Intel® LGA1156 processor and chipset combination instruction

Chipset \ CPU type	Clarkdale CPU (with integrated GPU)	Lynnfield CPU
H57/H55	<ul style="list-style-type: none"> Integrated GPU enabled HDMI/DVI/D-Sub ports enabled* 	Discrete VGA card required
P55	Discrete VGA card required	Discrete VGA card required

* Only available for the motherboards with this function.

Memory configurations

DRAM modules \ CPU type	Clarkdale CPU (with integrated GPU)	Lynnfield CPU
1 DIMM	supports one module inserted into ANY slot as Single-channel memory configuration	supports one module inserted into Slot A1 or B1 as Single-channel memory configuration
2 DIMMs	supports two modules inserted into either the blue slots or the black slots as one pair of Dual-channel memory configuration	supports two modules inserted into the blue slots (A1 and B1) as one pair of Dual-channel memory configuration
4 DIMMs	supports four modules inserted into both the blue and the black slots as two pairs of Dual-channel memory configuration	

Configurations for the PCI Express x16 slots

According to Intel® CPU spec, the PCIe x16_2 slot of the H57/H55 chipset will be disabled when using Clarkdale CPU. Refer to below table for details.

Chipset	PCI Express x16 slot	CPU type	
		Clarkdale CPU (with integrated GPU)	Lynnfield CPU
H57/H55	PCIe x16_1 (blue)	O	O
	PCIe x16_2 (white)*	X	O
	PCIe x16_2 (black)*	O	O
P55	PCIe x16_1 (blue)	No limitation	No limitation
	PCIe x16_2 (white)*	No limitation	No limitation
	PCIe x16_2 (black)*	No limitation	No limitation
	PCIe x16_3* (black)	No limitation	No limitation

* The color of the PCIe x16_2 slot varies by model.
 ** The PCIe x16_2 slot can work at maximum x8 link only.

