

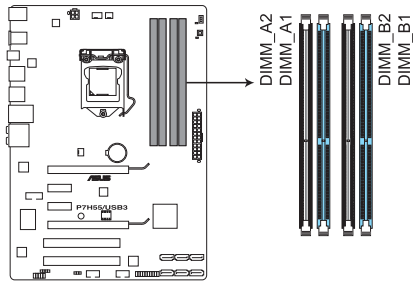
System memory

Overview

The motherboard comes with four Double Data Rate 3 (DDR3) Dual Inline Memory Modules (DIMM) sockets.

A DDR3 module has the same physical dimensions as a DDR2 DIMM but is notched differently to prevent installation on a DDR2 DIMM socket. DDR3 modules are developed for better performance with less power consumption.

The figure illustrates the location of the DDR3 DIMM sockets:



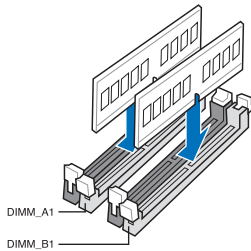
P7H55/USB3 240-pin DDR3 DIMM sockets

Recommended memory configurations

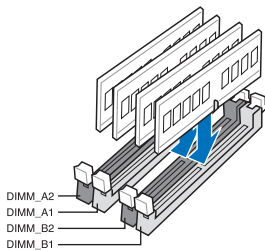
One DIMM:

Install one memory module in slot A1 or B1 first as a single-channel operation.

Two DIMMs (dual-channel operation):



Four DIMMs (dual-channel operation):



Memory configurations

You may install 1GB, 2GB and 4GB unbuffered and non-ECC DDR3 DIMMs into the DIMM sockets.



-
- You may install varying memory sizes in Channel A and Channel B. The system maps the total size of the lower-sized channel for the dual-channel configuration. Any excess memory from the higher-sized channel is then mapped for single-channel operation.
 - According to Intel spec definition, DDR3-1600 is supported for one DIMM per channel only. ASUS exclusively provides two DDR3-1600 DIMM support for each memory channel.
 - According to Intel CPU spec, DIMM voltage below 1.65V is recommended to protect the CPU.
 - According to Intel CPU spec, CPUs with a core frequency of 2.66G support the maximum DIMM frequency of up to DDR3-1333. To use DIMMs of a higher frequency with a 2.66G CPU, enable the DRAM O.C. Profile feature in BIOS. Refer to section 2.4 Ai Overclock Tuner for details.
 - Always install DIMMs with the same CAS latency. For optimum compatibility, we recommend that you obtain memory modules from the same vendor.
 - Due to the memory address limitation on 32-bit Windows OS, when you install 4GB or more memory on the motherboard, the actual usable memory for the OS can be about 3GB or less. For effective use of memory, we recommend that you do any of the following:
 - Use a maximum of 3GB system memory if you are using a 32-bit Windows OS.
 - Install a 64-bit Windows OS when you want to install 4GB or more on the motherboard. For more details, refer to the Microsoft® support site at <http://support.microsoft.com/kb/929605/en-us>.
 - This motherboard does not support DIMMs made up of 512Mb (64MB) chips or less (Memory chip capacity counts in Megabit, 8 Megabit/Mb = 1 Megabyte/MB).
-



-
- The default memory operation frequency is dependent on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value. To operate at the vendor-marked or at a higher frequency, refer to section **Ai Tweaker menu** for manual memory frequency adjustment.
 - For system stability, use a more efficient memory cooling system to support a full memory load (4 DIMMs) or overclocking condition.
-

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-2200MHz capability for Intel Lynnfield CPU

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
G.SKILL	F3-17600CL9D-4GBTDS (XMP)	4GB (2 x 2GB)	DS	-	-	9-9-9-24	1.65	*		

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-2133MHz capability for Intel Lynnfield CPU

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
GEIL	GE34GB2133C9DC (XMP)	4GB (2 x 2GB)	DS	-	-	9-9-9-28	1.65	*	*	

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-2000MHz capability for Intel Lynnfield CPU

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
KINGSTON	KHX2000C8D3T1K3/3GX (XMP)	3GB (3 x 1GB)	SS	-	-	8	1.65	*	*	
KINGSTON	KHX2000C9D3T1K3/3GX (XMP)	3GB (3 x 1GB)	SS	-	-	9	1.65	*	*	

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1866MHz capability for Intel Lynnfield CPU

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
Super Talent	W1866UX2GB(XMP)	2GB(2 x 1GB)	SS	-	-	8-8-8-24	-		*	*
Patriot	PVS32G1866LLK(XMP)	2GB(2 x 1GB)	SS	-	-	8-8-8-24	1.9		*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1800MHz capability for Intel Lynnfield CPU

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
KINGSTON	KHX1800C9D3T1K3/6GX(XMP)	6GB(3 x 2GB)	DS	-	-	-	1.65		*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1600MHz capability for Intel Lynnfield CPU

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
A-DATA	AD31600G001GMU	1GB	SS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600GB1G9-AG	2GB(2 x 1GB)	SS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600GB1G9-3G	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AD31600F002GMU(XMP)	6GB(3 x 2GB)	DS	-	-	7-7-7-20	1.75-1.85	*	*	*
A-DATA	AX3U1600XB2G7-FF(XMP)	6GB(3 x 2GB)	DS	-	-	7-7-7-20	1.75-1.85	*	*	*
CORSAIR	TR3X3G1600C8D	3GB(3 x 1GB)	SS	-	-	8-8-8-24	1.65	*	*	*
CORSAIR	CMD4GX3M2A1600C8(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.65	*	*	*
Crucial	BL12864BA1608.8SFB(XMP)	1GB	SS	-	-	-	1.8	*	*	*
Crucial	BL25664BN1608.16FF(XMP)	2GB	DS	-	-	8-8-8-24	1.65	*	*	*
G.SKILL	F3-12800CL9D-2GBNQ	2GB(2 x 1GB)	SS	-	-	-	1.6	*	*	*
G.SKILL	F3-12800CL9D-4GBRIL	2GB(2 x 1GB)	SS	-	-	-	1.6	*	*	*
G.SKILL	F3-12800CL7D-4GBRHX(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7-24	1.65	*	*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1600MHz capability for Intel Lynnfield CPU (continued)

Vendor	Part No.	Size	SS/ DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
GEIL	GV34GB1600C8DC	4GB(2 x 2GB)	DS	-	-	8-8-8-28	1.6	*	*	*
KINGSTON	KHX1600C8D3T1K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	8	1.65	*	*	*
OCZ	OCZ3G1600LV3GK	3GB(3 x 1GB)	SS	-	-	8-8-8	1.65	*	*	*
OCZ	OCZ3X16004GK(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7	1.9	*	*	*
Super Talent	WB160UX6G8(XMP)	6GB(3 x 2GB)	DS	-	-	-	-	*	*	*
Cell Shock	CS322271	2GB(2 x 1GB)	DS	-	-	7-7-7-14	1.7-1.9	*	*	*
EK Memory	EKM324L28BP8-116(XMP)	4GB(2 x 2GB)	DS	-	-	9	-	*	*	*
Elixir	M2Y2G64C8HA9N-DG(XMP)	2GB	DS	-	-	-	-	*	*	*
Mushkin	996657	4GB(2 x 2GB)	DS	-	-	7-7-7-20	-	*	*	*
Mushkin	998659(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.5-1.6	*	*	*
Patriot	PVT33G1600ELK	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.65	*	*	*
PATRIOT	PGS34G1600LLKA	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.7	*	*	*
Team	BoxP/N:TXD34096M1600HC6DC-L (TXD32048M1600HC6-L)(XMP)	4GB(2 x 2GB)	DS	-	-	6-7-6-18	1.65	*	*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1600MHz capability for Intel Clarkdale CPU

Vendor	Part No.	Size	SS/ DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
A-DATA	AD31600G001GMU	1GB	SS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600GB1G9-AG	2GB(2 x 1GB)	SS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600PB1G8-2P	2GB(2 x 1GB)	SS	-	-	8-8-8-24	1.65-1.85	*	*	*
A-DATA	AD31600E001GMU	3GB(3 x 1GB)	SS	-	-	8-8-8-24	1.65-1.85	*	*	*
A-DATA	AX3U1600GB1G9-3G	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600PB1G8-3P	3GB(3 x 1GB)	SS	-	-	8-8-8-24	1.65-1.85	*	*	*
A-DATA	AX3U1600GB2G9-AG(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600XB2G7-EF(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.75-1.85	*	*	*
A-DATA	AD31600F002GMU(XMP)	6GB(3 x 2GB)	DS	-	-	7-7-7-20	1.75-1.85	*	*	*
A-DATA	AX3U1600GB2G9-3G(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600GB2G9-3G(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600GB2G9-3G	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65~1.85	*	*	*
A-DATA	AX3U1600XB2G7-FF(XMP)	6GB(3 x 2GB)	DS	-	-	7-7-7-20	1.75-1.85	*	*	*
CORSAIR	TR3X3G1600C8D	3GB(3 x 1GB)	SS	-	-	8-8-8-24	1.65	*	*	*
CORSAIR	TR3X3G1600C8DVer2.1(XMP)	3GB(3 x 1GB)	SS	-	-	8-8-8-24	1.65	*	*	*
CORSAIR	TR3X3G1600C9Ver1.1(XMP)	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.65	*	*	*
CORSAIR	CMG4GX3M2A1600C7(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.65	*	*	*
CORSAIR	CMX4GX3M2A1600C9(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65	*	*	*
CORSAIR	TR3X6G1600C8DVer2.1(XMP)	6GB(3 x 2GB)	DS	-	-	8-8-8-24	1.65	*	*	*
CORSAIR	TR3X6G1600C9Ver2.1(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65	*	*	*
CORSAIR	CMD8GX3M4A1600C8(XMP)	8GB(4 x 2GB)	DS	-	-	8-8-8-24	1.65	*	*	*
CORSAIR	CMX8GX3M4A1600C9(XMP)	8GB(4 x 2GB)	DS	-	-	9-9-9-24	1.65	*	*	*
Crucial	BL12864BA1608.8SFB(XMP)	1GB	SS	-	-	-	1.8	*	*	*
Crucial	BL25664BN1608.16FF(XMP)	2GB	DS	-	-	8-8-8-24	1.65	*	*	*
G.SKILL	F3-12800CL9D-2GBNQ	2GB(2 x 1GB)	SS	-	-	-	1.6	*	*	*
G.SKILL	F3-12800CL9D-4GBRL	2GB(2 x 1GB)	SS	-	-	-	1.6	*	*	*
G.SKILL	F3-12800CL7D-4GBRH(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7-24	1.65	*	*	*
G.SKILL	F3-12800CL8T-6GBPI(XMP)	6GB(3 x 2GB)	DS	-	-	8-8-8-21	1.6-1.65	*	*	*
G.SKILL	F3-12800CL9T-6GBNQ	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.5-1.6	*	*	*
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB(3 x 4GB)	DS	-	-	-	1.65	*	*	*
KINGSTON	KHX1600C8D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	8	1.65	*	*	*
KINGSTON	KHX1600C8D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	8	1.65	*	*	*
KINGSTON	KHX1600C8D3T1K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	8	1.65	*	*	*
KINGSTON	KHX1600C9D3K3/6GX(XMP)	6GB(3 x 2GB)	DS	-	-	9	1.65	*	*	*
OCZ	OCZ3G1600LV3GK	3GB(3 x 1GB)	SS	-	-	8-8-8	1.65	*	*	*
OCZ	OCZ3P1600LV3GK	3GB(3 x 1GB)	SS	-	-	7-7-7	1.65	*	*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1600MHz capability for Intel Clarkdale CPU (continued)

Vendor	Part No.	Size	SS/ DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMM socket support (Optional)		
								A'	B'	C'
OCZ	OCZ3OB1600LV4GK	4GB(2 x 2GB)	DS	-	-	9-9-9	1.65	*	*	*
OCZ	OCZ3P1600LV4GK	4GB(2 x 2GB)	DS	-	-	7-7-7	1.65	*	*	*
OCZ	OCZ3X16004GK(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7	1.9	*	*	*
OCZ	OCZ3X1600LV4GK(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8	1.65	*	*	*
OCZ	OCZ3FXE1600C7LV6GK	6GB(3 x 2GB)	DS	-	-	7-7-7	1.65	*	*	*
OCZ	OCZ3G1600LV6GK	6GB(3 x 2GB)	DS	-	-	8-8-8	1.65	*	*	*
OCZ	OCZ3X1600LV6GK(XMP)	6GB(3 x 2GB)	DS	-	-	8-8-8	1.65	*	*	*
OCZ	OCZ3X1600LV6GK(XMP)	6GB(3 x 2GB)	DS	-	-	8-8-8	1.65	*	*	*
Super Talent	WB160UX6G8(XMP)	6GB(3 x 2GB)	DS	-	-	-	-	*	*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1333MHz capability for Intel Lynnfield CPU

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A'	B'	C'
A-DATA	AD3133301GOU	1GB	SS	A-DATA	AD30908C8D-15IG	-	-	*	*	*
A-DATA	AD31333002GOU	2GB	DS	A-DATA	AD30908C8D-15IG	-	-	*	*	*
A-DATA	AD3U1333B2G9-2	2GB	DS	A-DATA	AD30908C8D-15IG	-	-	*	*	*
CORSAIR	TR3X3G1333C9 (Ver.2.1)	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.5	*	*	*
CORSAIR	BoxP/N:TWIN3X2048-1333C9 (CM3X1024-1333C9)Ver1.1	2GB(2 x 1GB)	DS	-	-	9-9-9-24	1.70	*	*	*
Crucial	CT12864BA1339.8FF	1GB	SS	MICRON	D9KPT	9	-	*	*	*
Crucial	BL25664BN1337.16FF(XMP)	2GB	DS	-	-	7-7-7-24	1.65	*	*	*
ELPIDA	EBJ10UE8BAW0-DJ-E	1GB	SS	ELPIDA	J1108BABG-DJ-E	9	-	*	*	*
ELPIDA	EBJ21UE8BAW0-DJ-E	2GB	DS	ELPIDA	J1108BABG-DJ-E	9	-	*	*	*
G.SKILL	F3-10600CL8D-2GBHK	2GB(2 x 1GB)	SS	-	-	-	1.65	*	*	*
G.SKILL	F3-10666CL8D-4GBHK(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-21	1.5-1.6	*	*	*
GEIL	GG34GB1333C9DC	4GB(2 x 2GB)	DS	GEIL	GL1L128M88BA12N	9-9-9-24	1.3	*	*	*
Hynix	HMT112U6BF8C-H9	1GB	SS	Hynix	H5TQ1G83BF8R	9	-	*	*	*
Hynix	HMT125U6BF8C-H9	2GB	DS	Hynix	H5TQ1G83BF8RH9C	9	-	*	*	*
KINGSTON	KVR1333D3N9/2G	2GB	DS	Qimonda	IDSH1G-03A1F1C-13H	9	1.5	*	*	*
KINGSTON	KVR1333D3N9/4G	4GB	DS	SAMSUNG	K4B2G0846B-HCH9	9	1.5	*	*	*
MICRON	MT8JTF12664AZ-1G4F1	1GB	SS	MICRON	9FF22 D9KPT	9	-	*	*	*
MICRON	MT16JTF25664AZ-1G4F1	2GB	DS	MICRON	9FF22 D9KPT	9	-	*	*	*
OCZ	OCZ3P1333LV3GK	3GB(3 x 1GB)	SS	-	-	7-7-7	1.65	*	*	*
OCZ	OCZX1333LV6GK(XMP)	6GB(3 x 2GB)	DS	NA	-	8-8-8	1.6	*	*	*
PSC	AL7F8G73D-DG1	1GB	SS	PSC	A3P1GF3DGF	-	-	*	*	*
PSC	AL8F8G73D-DG1	2GB	DS	PSC	A3P1GF3DGF	-	-	*	*	*
SAMSUNG	M378B2873EH1-CH9	1GB	SS	SAMSUNG	K4B1G0846E	-	-	*	*	*
SAMSUNG	M378B5673EH1-CH9	2GB	DS	SAMSUNG	K4B1G0846E	-	-	*	*	*
Asint	SLZ3128M6-EDJE	2GB	DS	ELPIDA	J1108BASE-DJ-E	-	-	*	*	*
ASUS	N/A	1GB	DS	-	-	-	-	*	*	*
ATP	AQ28M72D8BJH9S	1GB	SS	SAMSUNG	K4B1G0846D(ECC)	-	-	*	*	*
ATP	AQ56M72E8BJH9S	2GB	DS	SAMSUNG	K4B1G0846D(ECC)	-	-	*	*	*
BUFFALO	FSH1333D3G-T3G(XMP)	3GB(3 x 1GB)	SS	-	-	7-7-7-20	-	*	*	*
BUFFALO	FSX1333D3G-2G	2GB	DS	-	-	-	-	*	*	*
EK Memory	EKM324L28BP8-113	4GB(2 x 2GB)	DS	-	-	9	-	*	*	*
Elixir	M2Y2G64CB8HA9N-CG	2GB	DS	-	-	-	-	*	*	*
Patriot	PVT33G1333ELK	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.65	*	*	*
Patriot	PVT36G1333ELK	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65	*	*	*
Silicon Power	SP001GBLTU1333S01	1GB	SS	NANYA	NT5CB128M8AN-CG	-	-	*	*	*
Silicon Power	SP002GBLTU1333S02	2GB	DS	S-POWER	I0YT3E0	9	-	*	*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1333MHz capability for Intel Clarkdale CPU

Vendor	Part No.	Size	SS/ DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
A-DATA	AD3133301GOU	1GB	SS	A-DATA	AD30908C8D-15IG	-	-	-	*	*
A-DATA	AX3U1333PB2G7-2P	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.65-1.85	*	*	*
A-DATA	AD3U1333C4G9-B	4GB	DS	Hynix	H5TQ2G83AFRH9C	1333-9-9-9-24	-	*	*	*
A-DATA	AD31333E002G0U	6GB(3 x 2GB)	DS	-	-	7-7-7-20	1.65-1.85	*	*	*
A-DATA	AX3U1333PB2G7-3P	6GB(3 x 2GB)	DS	-	-	7-7-7-20	1.65-1.85	*	*	*
CORSAIR	TR3X3G1333C9 (Ver2.1)	3GB(3 x 1GB)	SS	-	-	9-9-9-24	1.5	*	*	*
CORSAIR	CM3X2G1333C9	2GB	DS	-	-	9-9-9-24	1.5	*	*	*
CORSAIR	BoxP/N:TW3X4G1333C9DHX (CM3X2048-1333C9DHX)Ver3.2	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.70	*	*	*
CORSAIR	TR3X6G1333C9 (Ver2.1)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.5	*	*	*
CORSAIR	CMX8GX3M4A1333C9	8GB(4 x 2GB)	DS	-	-	9-9-9-24	1.5	*	*	*
Crucial	CT12864BA1339.8FF	1GB	SS	MICRON	D9KPT	9	-	*	*	*
Crucial	CT12864BA1339.8SFD	1GB	SS	MICRON	MT8JF12864AY-1G4D1	-	-	*	*	*
Crucial	CT12872BA1339.9FF	1GB	SS	MICRON	D9KPT(ECC)	9	-	*	*	*
Crucial	BL25664BN1337.16FF(XMP)	2GB	DS	-	-	7-7-7-24	1.65	*	*	*
Crucial	CT25664BA1339.16FF	2GB	DS	MICRON	D9KPT	9	-	*	*	*
Crucial	CT25664BA1339.16SFD	2GB	DS	MICRON	D9JNM	-	-	*	*	*
Crucial	CT25672BA1339.18FF	2GB	DS	MICRON	D9KPT(ECC)	9	-	*	*	*
Crucial	BL25664BA1336.16SFB1	4GB(2 x 2GB)	DS	NA	-	6-6-6-20	1.8	*	*	*
ELPIDA	EBJ10UE8BAW0-DJ-E	1GB	SS	ELPIDA	J1108BABG-DJ-E	9	-	*	*	*
ELPIDA	EBJ10UE8BDF0-DJ-F	1GB	SS	ELPIDA	J1108BDSE-DJ-F	-	-	*	*	*
ELPIDA	EBJ10UE8EDF0-DJ-F	1GB	SS	ELPIDA	J1108EDSE-DJ-F	-	-	*	*	*
ELPIDA	EBJ21UE8BAW0-DJ-E	2GB	DS	ELPIDA	J1108BABG-DJ-E	9	-	*	*	*
ELPIDA	EBJ21UE8BDF0-DJ-F	2GB	DS	ELPIDA	J1108BDSE-DJ-F	-	-	*	*	*
ELPIDA	EBJ21UE8EDF0-DJ-F	2GB	DS	ELPIDA	J1108EDSE-DJ-F	-	-	*	*	*
G.SKILL	F3-10600CL7D-2GBPI	2GB(2 x 1GB)	SS	-	-	-	1.65	*	*	*
G.SKILL	F3-10600CL8D-2GBHK	2GB(2 x 1GB)	SS	-	-	-	1.65	*	*	*
G.SKILL	F3-10666CL7T-6GBPK(XMP)	2GB	DS	-	-	7-7-7-18	1.5-1.6	*	*	*
G.SKILL	F3-10666CL7D-4GBPI(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7-21	1.5	*	*	*
G.SKILL	F3-10666CL7D-4GBRH(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-7-21	1.5	*	*	*
G.SKILL	F3-10666CL8D-4GBHK(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-21	1.5-1.6	*	*	*
G.SKILL	F3-10666CL8D-4GBRM(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-21	1.5-1.6	*	*	*
G.SKILL	F3-10666CL9T-6GBNQ	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.5	*	*	*
GEIL	GG34GB1333C9DC	4GB(2 x 2GB)	DS	GEIL	GL1L128M88BA12N	9-9-9-24	1.3	*	*	*
Hynix	HMT112U6BFR8C-H9	1GB	SS	Hynix	H5TQ1G83BFR	9	-	*	*	*
Hynix	HMT125U6BFR8C-H9	2GB	DS	Hynix	H5TQ1G83BFR	9	-	*	*	*
Hynix	HMT125U6BFR8C-H9	2GB	DS	Hynix	H5TQ1G83BFRH9C	9	-	*	*	*
KINGSTON	KVR1333D3N9/2G	2GB	DS	Qimonda	IDSH1G-03A1F1C-13H	9	1.5	*	*	*
KINGSTON	KVR1333D3N9/4G	4GB	DS	SAMSUNG	K4B2G0846B-HCH9	9	1.5	*	*	*
MICRON	MT8JTF12864AZ-1G4F1	1GB	SS	MICRON	9FF22 D9KPT	9	-	*	*	*
MICRON	MT16JTF25664AZ-1G4F1	2GB	DS	MICRON	9FF22 D9KPT	9	-	*	*	*
OCZ	OCZ3RPX1333EB2GK	2GB(2 x 1GB)	SS	NANYA	-	6-5-5	1.85	*	*	*
OCZ	OCZ3G1333LV3GK	3GB(3 x 1GB)	SS	-	-	9-9-9	1.65	*	*	*
OCZ	OCZ3P1333LV3GK	3GB(3 x 1GB)	SS	-	-	7-7-7	1.65	*	*	*
OCZ	OCZ3G1333ULV4GK	4GB(2 x 2GB)	DS	-	-	8-8-8	1.65	*	*	*
OCZ	OCZ3RPX1333EB4GK	4GB(2 x 2GB)	DS	-	-	-	1.85	*	*	*
OCZ	OCZ3G1333LV6GK	6GB(3 x 2GB)	DS	-	-	9-9-9	1.65	*	*	*
OCZ	OCZ3P1333LV6GK	6GB(3 x 2GB)	DS	-	-	7-7-7	1.65	*	*	*
OCZ	OCZ3P1333LV6GK(XMP)	6GB(3 x 2GB)	DS	NA	-	8-8-8	1.6	*	*	*
PSC	AL7F8G73D-DG1	1GB	SS	PSC	A3P1GF3DGF	-	-	*	*	*
PSC	AL8F8G73D-DG1	2GB	DS	PSC	A3P1GF3DGF	-	-	*	*	*
SAMSUNG	M378B2873DZ1-CH9	1GB	SS	SAMSUNG	K4B1G0846D	9	-	*	*	*
SAMSUNG	M378B2873EH1-CH9	1GB	SS	SAMSUNG	K4B1G0846E	-	-	*	*	*
SAMSUNG	M391B2873DZ1-CH9	1GB	SS	SAMSUNG	K4B1G0846D(ECC)	9	-	*	*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1333MHz capability for Intel Clarkdale CPU (continued)

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
SAMSUNG	M378B5673DZ1-CH9	2GB	DS	SAMSUNG	K4B1G0846D	9	-	*	*	*
SAMSUNG	M378B5673EH1-CH9	2GB	DS	SAMSUNG	K4B1G0846E	-	-	*	*	*
SAMSUNG	M391B5673DZ1-CH9	2GB	DS	SAMSUNG	K4B1G0846D(ECC)	9	-	*	*	*
SAMSUNG	M378B5273BH1-CH9	4GB	DS	SAMSUNG	K4B2G0846B-HCH9	9	-	*	*	*
Super Talent	W1333UX2GB(XMP)	2GB(2 x 1GB)	SS	-	-	8	1.8	*	*	*
Transcend	TS128MLK64V3U	1GB	SS	SAMSUNG	K4B1G0846D	9	-	*	*	*
Transcend	TS256MLK64V3U	2GB	DS	SAMSUNG	K4B1G0846D	9	-	*	*	*
Asint	SLY3128M8-EDJ	1GB	SS	Asint	DDRIII1208-DJ	-	-	*	*	*
Asint	SLY3128M8-EDJE	1GB	SS	ELPIDA	J1108BASE-DJ-E	-	-	*	*	*
ATP	AQ28M64A8BJH9S	1GB	SS	SAMSUNG	K4B1G0846E	-	-	*	*	*
ATP	AQ28M72D8BJH9S	1GB	SS	SAMSUNG	K4B1G0846D(ECC)	-	-	*	*	*
ATP	AQ56M64B8BJH9S	2GB	DS	SAMSUNG	K4B1G0846D	-	-	*	*	*
ATP	AQ56M72E8BJH9S	2GB	DS	SAMSUNG	K4B1G0846D(ECC)	-	-	*	*	*
BUFFALO	FSX1333D3G-1G	1GB	SS	-	-	-	-	*	*	*
BUFFALO	FSH1333D3G-T3G(XMP)	3GB(3 x 1GB)	SS	-	-	7-7-7-20	-	*	*	*
EK Memory	EKM324L28BP8-I13	4GB(2 x 2GB)	DS	-	-	9	-	*	*	*
Elixir	M2Y2G64CB8HA9N-CG	2GB	DS	-	-	-	-	*	*	*
Patriot	PDC32G1333LLK	1GB	SS	PATRIOT	-	7	1.7	*	*	*
Patriot	PVS34G1333ELK	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.5	*	*	*
Patriot	PVT36G1333ELK	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65	*	*	*
Silicon Power	SP001GBLTU1333S01	1GB	SS	NANYA	NT5CB128M8AN-CG	-	-	*	*	*
Silicon Power	SP001GBLTU1333S02	1GB	SS	S-POWER	I0YT3E0	9	-	*	*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1067MHz capability for Intel Lynnfield CPU

Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
Crucial	CT12864BA1067.8FF	1GB	SS	MICRON	D9KPT	7	-	*	*	*
Crucial	CT25664BA1067.16FF	2GB	DS	MICRON	D9KPT	7	-	*	*	*
ELPIDA	EBJ10UE8EDF0-AE-F	1GB	SS	ELPIDA	J1108EDSE-DJ-F	-	-	*	*	*
ELPIDA	EBJ21UE8EDF0-AE-F	2GB	DS	ELPIDA	J1108EDSE-DJ-F	-	-	*	*	*
Hynix	HMT112U6AFP8C-G7N0	1GB	SS	HYNIX	H5TQ1G83AFPG7C	7	-	*	*	*
Hynix	HMT125U6AFP8C-G7N0	2GB	DS	HYNIX	H5TQ1G83AFPG7C	7	-	*	*	*
KINGSTON	KVR1066D3N7/1G	1GB	SS	KINGSTON	D1288JEKAPA7U	7	1.5	*	*	*
KINGSTON	KVR1066D3N7/2G	2GB	DS	KINGSTON	D1288JEKAPGA7U	7	1.5	*	*	*
MICRON	MT8JTF12864AZ-1G1F1	1GB	SS	MICRON	8ZF22 D9KPV	7	-	*	*	*
MICRON	MT16JTF25664AZ-1G1F1	2GB	DS	MICRON	8ZF22 D9KPV	7	-	*	*	*
SAMSUNG	M378B5273BH1-CF8	4GB	DS	SAMSUNG	K4B2G0846B-HCF8	8	1.5	*	*	*
Transcend	TS256MLK64V1U	2GB	DS	ELPIDA	J1108BABG-AE-E	7	-	*	*	*
Asint	SLY3128M8-EAE	1GB	SS	Asint	DDRIII1208-AE	-	-	*	*	*
Asint	SLZ3128M8-EAE	2GB	DS	Asint	DDRIII1208-AE	-	-	*	*	*
Elixir	M2Y2G64CB8HA9N-BE	2GB	DS	-	-	-	-	*	*	*
WINTEC	3DU3191A-10	1GB	DS	Qimonda	IDSH51-Q3A1F1C-10F	7	-	*	*	*

P7H55/USB3 Motherboard Qualified Vendors Lists (QVL) DDR3-1067MHz capability for Intel Clarkdale CPU

Vendor	Part No.	Size	SS/ DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMM socket support (Optional)		
								A*	B*	C*
Crucial	CT12864BA1067.8FF	1GB	SS	MICRON	D9KPT	7	-	*	*	*
Crucial	CT12864BA1067.8SFD	1GB	SS	MICRON	D9JNL	7	-	*	*	*
Crucial	CT12872BA1067.9FF	1GB	SS	MICRON	D9KPT(ECC)	7	-	*	*	*
Crucial	CT25664BA1067.16FF	2GB	DS	MICRON	D9KPT	7	-	*	*	*
Crucial	CT25664BA1067.16SFD	2GB	DS	MICRON	D9JNL	7	-	*	*	*
Crucial	CT25672BA1067.18FF	2GB	DS	MICRON	D9KPT(ECC)	7	-	*	*	*
ELPIDA	EBJ10UE8BAW0-AE-E	1GB	SS	ELPIDA	J1108BABG-DJ-E	7	-	*	*	*
ELPIDA	EBJ10UE8EDF0-AE-F	1GB	SS	ELPIDA	J1108EDSE-DJ-F	-	-	*	*	*
ELPIDA	EBJ11UD8BAFA-AG-E	1GB	DS	ELPIDA	J5308BASE-AC-E	8	-	*	*	*
ELPIDA	EBJ21UE8BAW0-AE-E	2GB	DS	ELPIDA	J1108BABG-DJ-E	7	-	*	*	*
ELPIDA	EBJ21UE8EDF0-AE-F	2GB	DS	ELPIDA	J1108EDSE-DJ-F	-	-	*	*	*
Hynix	HMT112U6AFP8C-G7N0	1GB	SS	HYNIX	H5TQ1G83AFP6G7C	7	-	*	*	*
Hynix	HYMT112U64ZNF8-G7	1GB	SS	HYNIX	HY5TQ1G831ZNFP-G7	7	-	*	*	*
Hynix	HMT125U6AFP8C-G7N0	2GB	DS	HYNIX	H5TQ1G83AFP6G7C	7	-	*	*	*
Hynix	HYMT125U64ZNF8-G7	2GB	DS	HYNIX	HY5TQ1G831ZNFP-G7	7	-	*	*	*
KINGSTON	KVR1066D3N7/1G	1GB	SS	KINGSTON	D1288JEKAPA7U	7	1.5	*	*	*
KINGSTON	KVR1066D3N7/2G	2GB	DS	KINGSTON	D1288JEKAPGA7U	7	1.5	*	*	*
KINGSTON	KVR1066D3N7/2G	2GB	DS	ELPIDA	J1108BABG-DJ-E	-	1.5	*	*	*
KINGSTON	KVR1066D3N7/4G	4GB	DS	SAMSUNG	K4B2G0846B-HCF8	-	1.5	*	*	*
MICRON	MT8JTF12864AY-1G1D1	1GB	SS	MICRON	7VD22	7	-	*	*	*
MICRON	MT8JTF12864AZ-1G1F1	1GB	SS	MICRON	8ZF22 D9KPV	7	-	*	*	*
MICRON	MT16JTF25664AY-1G1D1	2GB	DS	MICRON	7VD22	7	-	*	*	*
MICRON	MT16JTF25664AZ-1G1F1	2GB	DS	MICRON	8ZF22 D9KPV	7	-	*	*	*
SAMSUNG	M378B5273BH1-CF8	4GB	DS	SAMSUNG	K4B2G0846B-HCF8	8	1.5	*	*	*
Transcend	TS256MLK64V1U	2GB	DS	ELPIDA	J1108BABG-AE-E	7	-	*	*	*
Asint	SLY3128M8-EAE	1GB	SS	Asint	DDRIII1208-AE	-	-	*	*	*
Asint	SLZ3128M8-EAE	2GB	DS	Asint	DDRIII1208-AE	-	-	*	*	*
Elixir	M2Y2G64CB8HA9N-BE	2GB	DS	-	-	-	-	*	*	*
WINTEC	3DU3191A-10	1GB	DS	Qimonda	IDSH51-03A1F1C-10F	7	-	*	*	*



Side(s): SS - Single-sided DS - Double-sided

DIMM support:

- A*: Supports one (1) module inserted into slot A1 or B1 as Single-channel memory configuration.
- B*: Supports two (2) modules inserted into the blue slots (A1 and B1) as one pair of Dual-channel memory configuration.
- C*: Supports four (4) modules inserted into both the blue and the black slots as two pairs of Dual-channel memory configuration.



- ASUS exclusively provides hyper DIMM support function.
- Based on the Intel® specification, you can only install one X.M.P. DIMM per channel.
- Hyper DIMM support is subject to the physical characteristics of individual CPUs.
- According to Intel spec definition, DDR3-1600 is supported for one DIMM per channel only. ASUS exclusively provides two DDR3-1600 DIMM support for each memory channel.
- According to Intel CPU spec, CPUs with a core frequency of 2.66G support the maximum DIMM frequency of up to DDR3-1333. To use DIMMs of a higher frequency with a 2.66G CPU, enable the **DRAM O.C. Profile** feature in BIOS. Refer to section 2.4 Ai Overclock Tuner for details.
- Visit the ASUS website for the latest QVL.