

M5A97 LE R2.0

DDR3 1600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	MM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
A-DATA	AM2U16BC2P1	2GB	SS	A-DATA	3CCD-1509A	-	-	•	•	•
A-DATA	AM2U16BC4P2	4GB	DS	A-DATA	3CCD-1509A	-	-	•	•	•
A-DATA	AX3U1600GC4G9(XMP)	4GB	DS	-	-	-	1.55~1.75	•	•	•
A-DATA	AX3U1600PC4G8(XMP)	4GB	DS	-	-	8-8-8-24	1.55~1.75	•	•	•
AMD	AP38G1608U2K(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-28	1.65	•	•	•
Asint	SLA302G08-EGG1C(XMP)	4GB	DS	Asint	302G08-GG1C	9-9-9-27	-	•	•	•
Asint	SLA302G08-EGJ1C(XMP)	4GB	DS	Asint	302G08-GJ1C	9-9-9-27	-	•	•	•
Asint	SLZ3128M8-EGJ1D(XMP)	2GB	DS	Asint	3128M8-GJ1D	-	-	•	•	•
ATP	AQ12M64B8BK0S	4GB	DS	SAMSUNG	K4B2G08460	-	NO	•	•	•
CORSAIR	CMG4GX3M2A1600C6	4GB ( 2x 2GB )	DS	-	-	6-6-6-18	1.65	•	•	•
CORSAIR	CML16GX3M4X1600C8(Ver 2.12)(XMP)	16GB ( 4x 4GB )	DS	-	-	Heat-Sink Package	1.5	•	•	•
CORSAIR	CMP6GX3M3A1600C8(XMP)	6GB ( 3x 2GB )	DS	-	-	8-8-8-24	1.65	•	•	•
CORSAIR	CMP6GX3M3A1600C8(XMP)	6GB ( 3x 2GB )	DS	-	-	8-8-8-24	1.65	•	•	•
CORSAIR	CMX6GX3M3C1600C7(XMP)	6GB ( 3x 2GB )	DS	-	-	7-8-7-20	1.65	•	•	•
CORSAIR	CMZ16GX3M4A1600C9(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-24	1.5	•	•	•
CORSAIR	CMZ32GX3M4X1600C10 (Ver2.2)(XMP)	32GB ( 4x 8GB )	DS	-	-	10-10-10-27	1.5	•	•	•
CORSAIR	CMZ8GX3M2A1600C8(XMP)	8GB ( 2x 4GB )	DS	-	-	8-8-8-24	1.5	•	•	•
CORSAIR	CMZ8GX3M2A1600C9(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.5	•	•	•
CORSAIR	CMZ8GX3M4X1600C9(Ver 2.12)(XMP)	8GB ( 4x 2GB )	SS	-	-	9-9-9-24	1.5	•	•	•
CORSAIR	HX3X12G1600C9(XMP)	12GB ( 6x 2GB )	DS	-	-	9-9-9-24	1.6	•	•	•
Crucial	BL12864BN1608.8FF(XMP)	2GB( 2x 1GB )	SS	-	-	8-8-8-24	1.65	•	•	•
Crucial	BLT4G3D1608DT11TX0.16FM(XMP)	4GB	DS	-	-	8-8-8-24	1.5	•	•	•
EK Memory	EKM324L28BP8-116(XMP)	4GB ( 2x 2GB )	DS	-	-	9	-	•	•	•
EK Memory	EKM324L28BP8-116(XMP)	4GB(2 x 2GB)	DS	-	-	9	-	•	•	•
Elixir	M2X2G64CB88G7N-DG(XMP)	2GB	SS	Elixir	N2CB2G80GN-DG	9-9-9-28	-	•	•	•
Elixir	M2X4G64CB8HG5N-DG(XMP)	4GB	DS	Elixir	N2CB2G80GN-DG	9-9-9-28	-	•	•	•
G.SKILL	F3-12800CL7D-8GBRH(XMP)	8GB ( 2x 4GB )	DS	-	-	7-8-7-24	1.6	•	•	•
G.SKILL	F3-12800CL8D-8GBECO(XMP)	8GB ( 2x4GB )	DS	-	-	8-8-8-24	1.35	•	•	•
G.SKILL	F3-12800CL9D-8GBRL(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.5	•	•	•
G.SKILL	F3-12800CL9D-8GBSR2(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.25	•	•	•
G.SKILL	F3-12800CL9Q-16GBXL(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-24	1.5	•	•	•
G.Skill	F3-12800CL9Q-16GBZL(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-24	1.5	•	•	•
GEIL	GET316GB1600C9QC(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-28	1.6	•	•	•
GEIL	GUP34GB1600C7DC(XMP)	4GB ( 2x 2GB )	DS	-	-	7-7-7-24	1.6	•	•	•
GoodRam	GR1600D364L9/2G	2GB	DS	GoodRam	GF1008KC-JN	-	-	•	•	•
KINGMAX	FLGE85F-C8KL9A(XMP)	2GB	SS	KINGMAX	N/A	9-9-9-28	-	•	•	•
KINGMAX	FLGF65F-C8KL9A(XMP)	4GB	DS	KINGMAX	N/A	9-9-9-28	-	•	•	•
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB( 3x 4GB )	DS	-	-	-	1.65	•	•	•
Kingston	KHX1600C9D3K4/16GX(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-24	1.65	•	•	•
KINGTIGER	KTG2G1600PG3(XMP)	2GB	DS	-	-	-	-	•	•	•
Mushkin	998805(XMP)	4GB ( 2x 2GB )	DS	-	-	6-8-6-24	1.65	•	•	•
Mushkin	998805(XMP)	6GB ( 3x 2GB )	DS	-	-	6-8-6-24	1.65	•	•	•
OCZ	OCZ3BE1600C8LV4GK	4GB( 2x 2GB )	DS	-	-	8-8-8	1.65	•	•	•
Patriot	AE32G1609U1-U	2GB	SS	AMD	23EY4587MB6H	-	1.5	•	•	•
Patriot	PGD38G1600ELK(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.65	•	•	•
SanMax	SMD-4G68HP-16KZ	4GB	DS	Hynix	H5TQ2G83BFRPBC	-	1.5	•	•	•
SanMax	SMD-4G68NG-16KK	4GB	DS	ELPIDA	J2108BDBG-GN-F	-	-	•	•	•
Silicon Power	SP002GBLTU160V02(XMP)	2GB	SS	S-POWER	20YT5NG	9-11-11-28	1.5	•	•	•
Silicon Power	SP004GBLTU160V02(XMP)	4GB	DS	S-POWER	20YT5NG	9-9-9-24	1.5	•	•	•
Team	TXD31024M1600C8-D(XMP)	1GB	SS	Team	T3D1288RT-16	8-8-8-24	1.65	•	•	•
Team	TXD34096M1600HC9-D(XMP)	4GB	DS	Hynix	H5TC2G83BFRH9A	9-9-9-24	1.5	•	•	•
Transcend	TS512MLK64V6N	4GB	DS	MICRON	D9PFJ	-	-	•	•	•

4 DIMM Slots

- **1 DIMM:** Supports one module inserted in any slot as Single-channel memory configuration
- **2 DIMM:** Supports one pair of modules inserted into either the **blue** slots or the **black** slots as one pair of Dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into both the **blue** and **black** slots as two pairs of Dual-channel memory configuration

-When installing total memory of 4GB capacity or more, Windows 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended.

-It is recommended to install the memory modules from the slots for better overclocking capability.

-The default DIMM frequency depends 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.

-Memory module with memory frequency higher than 2133 MHz and its corresponding timing or the loaded DRAM OC Profile is not the JEDEC memory standard. The stability and compatibility of these memory modules depend on the CPU's capabilities and other installed devices.

-Always install DIMMs with the same CAS latency. For optimal compatibility, we recommend that you install memory modules of the same version or date code (D/C) from the same vendor. Check with the retailer to get the correct memory modules.

## M5A97 LE R2.0

### DDR3 1800 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
<b>G.SKILL</b>	F3-14400CL9D-4GBRL(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.6	•	•	•

### DDR3 1866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	1 socket support (Optional)		
								2 DIMM	4 DIMM	
<b>A-DATA</b>	AX3U1866GC2G9B(XMP)	2GB	SS	-	-	9-11-9-27	1.55~1.75	•	•	
<b>A-DATA</b>	AX3U1866GC4G9B(XMP)	4GB	DS	-	-	9-11-9-27	1.55~1.75	•	•	
<b>CORSAIR</b>	CMD16GX3M4A1866C9 (Ver4.13)(XMP)	16GB ( 4x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMD8GX3M2A1866C9 (Ver4.13)(XMP)	8GB ( 2x 4GB )	DS	-	-	-	1.5	•	•	
<b>CORSAIR</b>	CMT32GX3M4X1866C9(Ver3.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMZ16GX3M4X1866C9R(Ver8.16)(XMP)	16GB ( 4x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	
<b>CORSAIR</b>	CMZ32GX3M4X1866C10(Ver3.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	10-11-10-27	1.5	•	•	
<b>CORSAIR</b>	CMZ8GX3M2A1866C9(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>Crucial</b>	BLE4G3D1869DE1XT0.16FMD(XMP)	4GB	DS	-	-	9-9-9-27	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL10Q2-64GBZLD(XMP)	64GB ( 8x 8GB )	DS	-	-	10-11-10-30	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9D-8GBSR(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-28	1.5	•	•	
<b>G.SKILL</b>	F3-14900CL9Q-16GBXL(XMP)	16GB ( 4x 4GB )	DS	-	-	9-10-9-28	1.5	•	•	
<b>G.SKILL</b>	F3-14900CL9Q-16GBZL(XMP)	16GB ( 4x 4GB )	DS	-	-	9-10-9-28	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9Q-8GBFLD(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.6	•	•	•
<b>Kingston</b>	KHX1866C9D3K2/8GX(XMP)	8GB ( 2x 4GB )	DS	-	-	-	1.65	•	•	•
<b>Patriot</b>	PXD34G1866ELK(XMP)	4GB ( 2x 2GB )	SS	-	-	9-9-9-24	1.65	•	•	•
<b>Patriot</b>	PXD38G1866ELK(XMP)	8GB ( 2x 4GB )	DS	-	-	9-11-9-27	1.65	•	•	•
<b>Patriot</b>	PXD38G1866ELK(XMP)	8GB ( 2x 4GB )	DS	-	-	9-11-9-27	1.65	•	•	•
<b>Team</b>	TXD34096M1866HC9K-L(XMP)	4GB	DS	Hynix	H5TCZ8B-38C9U0A	9-11-9-27	1.65	•	•	

### DDR3 2000 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	1 socket support (Optional)		
								2 DIMM	4 DIMM	
<b>A-DATA</b>	AX3U2000GB2G9B(XMP)	2GB	DS	-	-	9-11-9-27	1.55-1.75	•	•	
<b>A-DATA</b>	AX3U2000GC4G9B(XMP)	4GB	DS	-	-	9-11-9-27	1.55~1.75	•	•	•
<b>AEXEA</b>	AXA3ES2G2000LG28V(XMP)	2GB	DS	-	-	-	1.65	•	•	
<b>AEXEA</b>	AXA3ES4GK2000LG28V(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65	•	•	•
<b>Apacer</b>	78.AAGD5.9KD(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-27	-	•	•	•
<b>Asint</b>	SLA302G08-ML2HB(XMP)	4GB	DS	Hynix	H5TCZ8B-38C9U0A	9-9-9-27	-	•	•	
<b>CORSAIR</b>	CMT6GX3M3A2000C8(XMP)	6GB ( 3x 2GB )	DS	-	-	8-9-8-24	1.65	•	•	•
<b>CORSAIR</b>	CMZ4GX3M2A2000C10(Ver 5.12)(XMP)	4GB ( 2x 2GB )	SS	-	-	10-10-10-27	1.5	•	•	
<b>G.SKILL</b>	F3-16000CL9D-4GBTD(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65	•	•	•
<b>GEIL</b>	GUP34GB2000C9DC(XMP)	4GB ( 2x 2GB )	DS	-	-	9-9-9-28	1.65	•	•	
<b>Patriot</b>	PV736G2000ELK(XMP)	6GB ( 3x 2GB )	DS	-	-	7-7-7-20	1.65	•	•	
<b>Patriot</b>	PVT36G2000LLK(XMP)	6GB(3 x 2GB)	DS	-	-	8-8-8-24	1.65	•	•	
<b>Patriot</b>	PX7312G2000ELK(XMP)	12GB ( 3x 4GB )	DS	-	-	9-11-9-27	1.65	•	•	
<b>Silicon Power</b>	SP002GBLYU200S02(XMP)	2GB	DS	-	-	-	-	•	•	
<b>Team</b>	TXD32048M2000C9(XMP)	2GB	DS	Team	T3D1268-13D1268	9-9-9-24	1.5	•	•	•
<b>Team</b>	TXD32048M2000C9-L(XMP)	2GB	DS	Team	T3D1268-13D1268	9-9-9-24	1.5	•	•	
<b>Team</b>	TXD32048M2000C9-L(XMP)	2GB	DS	Team	T3D1268-13D1268	9-9-9-24	1.6	•	•	
<b>Transcend</b>	TX2000KLN-8GK (388375)(XMP)	4GB	DS	-	-	-	1.6	•	•	

### DDR3 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	1 socket support (Optional)		
								1 DIMM	2 DIMM	
<b>CORSAIR</b>	CMT4GX3M2A2133C9(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-24	1.65	•	•	•
<b>CORSAIR</b>	CMT4GX3M2B2133C9(Ver7.1)(XMP)	4GB ( 2x 2GB )	DS	-	-	9-9-9-24	1.5	•	•	•
<b>CORSAIR</b>	CMT4GX3M2B2133C9(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>G.SKILL</b>	F3-17066CL9D-8GBPID(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.65	•	•	•
<b>KINGSTON</b>	KHX2133C11D3K4/16GX(XMP)	16GB ( 4x 4GB )	DS	-	-	11-12-11-30	1.65	•	•	•

### DDR3 2200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	1 socket support (Optional)	
								2 DIMM	
<b>G.SKILL</b>	F3-17600CL7D-4GBFLS(XMP)	4G ( 2x 2G )	DS	-	-	7-10-10-28	1.65	•	
<b>GEIL</b>	GET34GB2200C9DC(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-28	1.65	•	
<b>GEIL</b>	GET38GB2200C9ADC(XMP)	8GB ( 2x 4GB )	DS	-	-	9-11-9-28	1.65	•	

### DDR3 2400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	1 socket support (Optional)		
								1 DIMM	2 DIMM	
<b>A-DATA</b>	AX3U2400GC4G10(XMP)	4GB	DS	-	-	10-11-11-30	1.65	•	•	
<b>G.SKILL</b>	F3-19200CL10Q-32GBZHD(XMP)	32GB ( 4x 8GB )	DS	-	-	10-12-12-31	1.65	•	•	•
<b>G.SKILL</b>	F3-19200CL11Q-16GBZHD(XMP)	16GB ( 4x 4GB )	DS	-	-	11-11-11-31	1.65	•	•	•
<b>G.SKILL</b>	F3-19200CL11Q-16GBZHD(XMP)	16GB ( 4x 4GB )	DS	-	-	11-11-11-31	1.65	•	•	•
<b>G.SKILL</b>	F3-19200CL9D-4GBPIS(XMP)	4G ( 2x 2G )	DS	-	-	9-11-9-28	1.65	•	•	•
<b>G.SKILL</b>	F3-19200CL9Q-16GBZMD(XMP)	16GB ( 4x 4GB )	DS	-	-	9-11-11-31	1.65	•	•	•
<b>GEIL</b>	GOC316GB2400C11QC(XMP)	16GB ( 4x 4GB )	DS	-	-	11-11-11-30	1.65	•	•	•
<b>Kingston</b>	KHX2400C11D3K4/8GX(XMP)	8GB ( 4x 2GB )	SS	-	-	11-13-11-30	1.65	•	•	•
<b>Kingston</b>	KHX24C11K4/16X(XMP)	16GB ( 4x 4GB )	DS	-	-	11-13-13-30	1.65	•	•	•
<b>Patriot</b>	PXD38G2400C11K(XMP)	8GB ( 2x 4GB )	DS	-	-	11-11-11-30	1.65	•	•	•

4 DIMM Slots

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-Always install DIMMs with the same CAS latency. For optimal compatibility, we recommend that you install memory modules of the same version or date code (D/C) from the same vendor. Check with the retailer to get the correct memory modules.