

RAMPAGE IV GENE Memory QVL (Qualified Vendors List)

DDR3 2400 Qualified Vendors List (QVL)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	MM socket support (Optional)		
								2 DIMM	3 DIMM	4 DIMM
A-DATA	AX3U2400GC2G10(XMP)	2GB	SS	-	-	10-11-10-30	1.65	●	●	
A-DATA	AX3U2400GC4G10(XMP)	4GB	DS	-	-	10-11-10-30	1.65	●	●	
CORSAIR	CMGTX3(XMP)	2GB	DS	-	-	9-11-9-27	1.65			●
G.SKILL	F3-19200CL9D-4GBPIS(XMP)	4G ( 2x 2G )	DS	-	-	9-11-9-28	1.65	●	●	
Transcend	TX2400KLU-4GK (381850)(XMP)	2GB	DS	-	-	-	1.65	●	●	
Transcend	TX2400KLU-4GK(374243)(XMP)	2GB	DS	-	-	-	1.65	●		

DDR3 2133 Qualified Vendors List (QVL)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	MM socket support (Optional)		
								2 DIMM	3 DIMM	4 DIMM
Apacer	78.BAGE4.AFD0C(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	-	●	●	
CORSAIR	CMT4GX3M2A2133C9(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-24	1.65	●		
CORSAIR	CMT4GX3M2B2133C9(Ver7.1)(XMP)	4GB ( 2x 2GB )	DS	-	-	9-9-9-24	1.5			●
CORSAIR	CMT4GX3M2B2133C9(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-27	1.5	●	●	●
G.SKILL	F3-17000CL9Q-16GBXLD(XMP)	16GB ( 4x 4GB )	DS	-	-	9-11-9-28	1.65	●	●	
G.SKILL	F3-17066CL9D-8GBPID(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.65		●	●
GEIL	GE34GB2133C9DC(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-28	1.65	●	●	●
KINGSTON	KHX2133C9AD3T1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65	●		
KINGSTON	KHX2133C9AD3T1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	9	1.65	●	●	●
KINGSTON	KHX2133C9AD3W1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	9	1.65	●	●	●
KINGSTON	KHX2133C9AD3X2K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	9	1.65	●	●	●
KINGSTON	KHX2133C9AD3X2K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	9-9-9-24	1.65	●	●	●
KINGSTON	KHX2133C9AD3T1FK4/8GX(XMP)	8GB ( 4x 2GB )	DS	-	-	9	1.65	●	●	●
OCZ	OCZ3XTEP2133C9LV4GK	2GB	DS	-	-	7-7-7-20	1.65	●		
Patriot	PVV34G2133C9K(XMP)	4GB ( 2x 2GB )	DS	-	-	9-11-9-27	1.66	●		●

DDR3 2000 Qualified Vendors List (QVL)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	MM socket support (Optional)		
								2 DIMM	3 DIMM	4 DIMM
A-DATA	AX3U2000GB2G9B(XMP)	2GB	DS	-	-	9-11-9-27	1.55~1.75	●	●	●
Apacer	78.AAGD5.9KD(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-27	-	●	●	●
CORSAIR	CMT6GX3M3A2000C8(XMP)	6GB ( 3x 2GB )	DS	-	-	8-9-8-24	1.65	●	●	●
G.SKILL	F3-16000CL9D-4GBTD(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65	●		●
GEIL	GUP34GB2000C9DC(XMP)	4GB ( 2x 2GB )	DS	-	-	9-9-9-28	1.65	●		
KINGSTON	KHX2000C9AD3T1K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	9	1.65	●		
Transcend	TX2000KLN-8GK (388375)(XMP)	4GB	DS	-	-	-	1.6	●		

AEXEA	AXA3ES2G2000LG28V(XMP)	2GB	DS	-	-	-	1.65	●
Gingle	FA3URSS673A801A	2GB	DS	-	-	9-9-9-24	-	●
Patriot	PX7312G2000ELK(XMP)	12GB ( 3x 4GB )	DS	-	-	9-11-9-27	1.65	●
Patriot	PV736G2000ELK(XMP)	6GB ( 3x 2GB )	DS	-	-	7-7-7-20	1.65	●

DDR3 1866 Qualified Vendors List (QVL)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	MM socket support (Optional)		
								2 DIMM	3 DIMM	4 DIMM
A-DATA	AX3U1866GC4G9B(XMP)	4GB	DS	-	-	9-11-9-27	1.55~1.75	●	●	●
CORSAIR	CMZ8GX3M2A1866C9(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-27	1.5	●		
G.SKILL	F3-14900CL9Q-16GBXL(XMP)	16GB ( 4x 4GB )	DS	-	-	9-10-9-28	1.5	●	●	●
G.SKILL	F3-15000CL9D-4GBTD(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65	●	●	●
G.SKILL	F3-14900CL9D-8GBSR(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-28	1.5	●	●	●
G.SKILL	F3-14900CL9Q-8GBFLD(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.6	●		
KINGSTON	KHX1866C9D3T1K3/3GX(XMP)	3GB ( 3x 1GB )	SS	-	-	-	1.65	●		
OCZ	OCZ3P1866C9LV6GK	6GB(3 x 2GB)	DS	-	-	9-9-9	1.65	●		●
OCZ	OCZ3RPR1866C9LV6GK	6GB(3 x 2GB)	DS	-	-	9-9-9	1.65	●	●	
Patriot	PXD34G1866ELK(XMP)	4GB ( 2x 2GB )	SS	-	-	9-9-9-24	1.65	●	●	●
Patriot	PXD38G1866ELK(XMP)	8GB ( 2x 4GB )	DS	-	-	9-11-9-27	1.65	●	●	●
Team	TXD32048M1866C9(XMP)	2GB	DS	Team	T3D1288 RT-16	9-9-9-24	1.65	●	●	●

DDR3 1800 Qualified Vendors List (QVL)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	MM socket support (Optional)		
								2 DIMM	3 DIMM	4 DIMM
G.SKILL	F3-14400CL9D-4GBRL(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.6	●	●	●

DDR3 1600 Qualified Vendors List (QVL)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	MM socket support (Optional)		
								2 DIMM	3 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	●	●	●
CORSAIR	HX3X12G1600C9(XMP)	12GB ( 6x 2GB )	DS	-	-	9-9-9-24	1.6	●	●	●
CORSAIR	CMZ16GX3M4A1600C9(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-24	1.5	●	●	●
CORSAIR	CMG4GX3M2A1600C6	4GB ( 2x 2GB )	DS	-	-	6-6-6-18	1.65	●		●
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	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	●	●	●
Crucial	BL12864BN1608.8FF(XMP)	2GB( 2x 1GB )	SS	-	-	8-8-8-24	1.65	●	●	●
Crucial	BL25664BN1608.16FF(XMP)	2GB	DS	-	-	8-8-8-24	1.65	●	●	
G.SKILL	F3-12800CL7Q-16GBXH(XMP)	16GB ( 4x 4GB )	DS	-	-	7-8-7-24	1.6	●	●	●
G.SKILL	F3-12800CL9Q-16GBXL(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-24	1.5	●	●	●
G.SKILL	F3-12800CL8D-4GBRM(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.6	●	●	
G.SKILL	F3-12800CL9D-4GBECO(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.35	●	●	
G.SKILL	F3-12800CL7D-8GBRH(XMP)	8GB ( 2x 4GB )	DS	-	-	7-8-7-24	1.6	●	●	●
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	F3-12800CL8D-8GBECO(XMP)	8GB ( 2x4GB )	DS	-	-	8-8-8-24	1.35	●	●	●
GEIL	GET316GB1600C9QC(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-28	1.6	●	●	●
KINGMAX	FLGD45F-B8MF7(XMP)	1GB	SS	-	-	-	-	●	●	●
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB( 3x 4GB )	DS	-	-	-	1.65	●	●	●
KINGSTON	KHX1600C9D3K6/24GX(XMP)	24GB ( 6x 4GB )	DS	-	-	9	1.65	●	●	●
KINGSTON	KHX1600C8D3K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	8	1.65	●	●	●
KINGSTON	KHX1600C9D3K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65	●	●	●
KINGSTON	KHX1600C9D3LK2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65	●	●	
KINGSTON	KHX1600C9D3X2K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	9	1.65	●		●
KINGSTON	KHX1600C9D3K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	9	1.65	●	●	●
KINGSTON	KHX1600C9D3K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	9	1.65	●	●	●
KINGSTON	KHX1600C9D3T1K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	-	1.65	●	●	●
KINGSTON	KHX1600C9D3T1K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	9	1.65	●	●	●
KINGSTON	KHX1600C9D3P1K2/8G	8GB ( 2x 4GB )	DS	-	-	9	1.5	●	●	●
OCZ	OCZ3BE1600C8LV4GK	4GB( 2x 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	WP160UX4G9(XMP)	4GB(2 x 2GB)	DS	-	-	9	-	●	●	●
Super Talent	WB160UX6G8(XMP)	6GB(3 x 2GB)	DS	-	-	-	-	●	●	●
Super Talent	WB160UX6G8(XMP)	6GB(3 x 2GB)	DS	-	-	8	-	●	●	●

Asint	SLZ3128M8-EGJ1D(XMP)	2GB	DS	Asint	3128M8-EGJ1D	-	-	●	●	●
EK Memory	EKM324L28BP8-I16(XMP)	4GB( 2x 2GB )	DS	-	-	9	-	●		●
EK Memory	EKM324L28BP8-I16(XMP)	4GB(2 x 2GB)	DS	-	-	9	-	●	●	●
GoodRam	GR1600D364L9/2G	2GB	DS	GoodRam	GF1008K C-IN	-	-	●	●	●
KINGTIGER	KTG2G1600PG3(XMP)	2GB	DS	-	-	-	-	●		●
Mushkin	996805(XMP)	4GB ( 2x 2GB )	DS	-	-	6-8-6-24	1.65	●	●	●
Mushkin	998805(XMP)	6GB ( 3x 2GB )	DS	-	-	6-8-6-24	1.65	●	●	●
Mushkin	998659(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.5-1.6			
Patriot	PX7312G1600LLK(XMP)	12GB ( 3x 4GB )	DS	-	-	8-9-8-24	1.65	●	●	●
Patriot	PGS34G1600LLKA2	4GB ( 2x 2GB )	DS	-	-	8-8-8-24	1.7	●	●	●
Patriot	PGS34G1600LLKA	4GB( 2x 2GB )	DS	-	-	7-7-7-20	1.7	●	●	●
PATRIOT	PGS34G1600LLKA	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.7	●	●	●
Patriot	PVV38G1600LLK(XMP)	8GB ( 2x 4GB )	DS	-	-	8-9-8-24	1.65	●	●	●
Patriot	PX538G1600LLK(XMP)	8GB ( 2x 4GB )	DS	-	-	8-9-8-24	1.65	●	●	●
Team	TXD31024M1600C8-D(XMP)	1GB	SS	Team	T3D1288 RT-16	8-8-8-24	1.65	●	●	●
Team	TXD32048M1600HC8-D(XMP)	2GB	DS	Team	T3D1288 RT-16	8-8-8-24	1.65	●	●	

DDR3 1333 Qualified Vendors List (Aging)										
Vendor	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IMM socket suppo		
								2DIMM	4DIMM	
A-DATA	AM2U139C4P2	4GB	DS	A-DATA	3CCD-1509A	-	-	●	●	
CORSAIR	CM3X2G1333C9	2GB	DS	-	-	9-9-9-24	1.5	●	●	
G.SKILL	F3-10666CL8D-4GBHK(XMP)	4GB ( 2x 2GB )	DS	-	-	8-8-8-21	1.5	●	●	
KINGMAX	FLFD45F-B8KL9	1GB	SS	KINGMAX	KFB8FNL XF-BNF-15A	-	-	●	●	
KINGSTON	KVR1333D3N9/2G(矮版)	2GB	DS	Elpida	J1108BDB G-DJ-F	-	1.5	●	●	
MICRON	MT16JTF51264AZ-1G4M1	4GB	DS	Micron	IGM22 D9PFJ	-	-	●	●	
SAMSUNG	M378B5673EH1-CH9	2GB	DS	SAMSUNG	K4B1G08 46E	-	-	●	●	
Elixir	M2F2G64CB88G7N-CG	2GB	SS	Elxir	N2CB2G8 0GN-CG	-	-	●	●	
Patriot	PSD31G13332	1GB	DS	Patriot	PM64M8D 3BU-15	-	-	●	●	

UMAX	E41302GP0-73BDB	2GB	DS	UMAX	U2S24D3 0TP-13	-	-	•	•
------	-----------------	-----	----	------	-------------------	---	---	---	---

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.