

DDR3 1333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IMM socket support (Options)			
								1 DIMM	2 DIMM	4 DIMM	
AMD	AE32G1339U1-U	2GB	SS	AMD	23EY4587MB3H11503M	9-9-9-24	1.5V	•	•	•	•
AMD	AE34G1339U2-U	4GB	DS	AMD	23EY4587MB3H11503M	9-9-9-24	1.5V	•	•	•	•
Silicon Power	SP002GBLTU133V02	2GB	SS	S-POWER	20YT3NG-1202	-	-	•	•	•	•
Silicon Power	SP004GBLTU133V02	4GB	DS	S-POWER	20YT3NG-1201	-	-	•	•	•	•
ASint	SLZ302G08-EDJ1C	2GB	SS	Asint	SLZ302G08-DJ1C	-	-	•	•	•	•
ASint	SLA302G08-EDJ1C	4GB	DS	Asint	SLA302G08-DJ1C	-	-	•	•	•	•
ASint	SLB304G08-EDJ1B	8GB	DS	Asint	SLB304G08-DJ1B	-	-	•	•	•	•
HMD	HMDD302GU648S1B9C-MEX	2GB	SS	ERTH	256X8DDR3 WT	-	-	•	•	•	•
HMD	HMDD304GU648S1B9C-MEX	4GB	SS	UUIK	512X8DDR3 WT	-	-	•	•	•	•
HMD	HMDD308GU648D1B9C-MEX	8GB	DS	FFCT	512X8DDR3 WT	-	-	•	•	•	•
TEAM	TED38G1333HC9BK	8GB	DS	-	-	9-9-9-24	-	•	•	•	•

DDR3 1600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IMM socket support (Options)			
								1 DIMM	2 DIMM	4 DIMM	
HYNIX	HMT351U6CFR8C-PB	4GB	DS	HYNIX	H5TQ2G83CFR PBC	-	-	•	•	•	•
KINGSTON	KHX1600C9D3K4/16GX(XMP)	16GB (4GB x4)	DS	-	-	-	1.65V	•	•	•	•
KINGSTON	KHX16C9K2/16	16GB(8GBx2)	DS	-	-	-	1.5V	•	•	•	•
AMD	AE32G1609U1-U	2GB	SS	-	23EY4587MB6H11503M	9-9-9-24	1.5V	•	•	•	•
AMD	AE34G1609U2-U	4GB	DS	AMD	23EY4587MB6H11503M	9-9-9-24	1.5V	•	•	•	•
CORSAIR	CMZ8GX3M1A1600C10(XMP)	8GB	DS	-	-	10-10-10-27	1.50V	•	•	•	•
CORSAIR	CMZ32GX3M4X1600C10(XMP)	32GB(8GBx4)	DS	-	-	10-10-10-27	1.50V	•	•	•	•
PATRIOT	PGD316G1600ELK(XMP)	32GB(8GBx4)	DS	-	-	9-9-9-24	1.65V	•	•	•	•
SanMax	SMD-4G68HP-16KZ	4GB	DS	HYNIX	H5TQ2G83BFR PBC	-	-	•	•	•	•
Silicon Power	SP004GBLTU160V02(XMP)	4GB	DS	S-POWER	20YT5NG-1201	-	-	•	•	•	•
ASint	SLZ302G08-EGN1C	2GB	SS	Asint	SLZ302G08-GN1C	-	-	•	•	•	•
ASint	SLA302G08-EGN1C	4GB	DS	Asint	SLA302G08-GN1C	-	-	•	•	•	•
ASint	SLB304G08-EGN1B	8GB	DS	Asint	SLB304G08-GN1B	-	-	•	•	•	•
Apacer	78.B1GE3.9L10C	4GB	DS	Apacer KZZC	AM5D5908DEQSCK	-	-	•	•	•	•
Elixir	M2X8G64CB8HB5N-DG(XMP)	8GB	DS	Elixir 1213	N2CB4G8B0BN-DG	-	-	•	•	•	•
ADATA	AD3U1600C2G11-B	2GB	SS	-	N/A	-	-	•	•	•	•
ADATA	AD3U1600W4G11-B	4GB	SS	ADATA	F209X8BR6413	-	-	•	•	•	•
ADATA	AD3U1600C4G11-B	4GB	DS	-	N/A	-	-	•	•	•	•
ADATA	AD3U1600W8G11-B	8GB	DS	ADATA	F211X8B0640A	-	-	•	•	•	•
TEAM	TED34G1600HC11BK	4GB	DS	-	-	11-11-11-28	-	•	•	•	•
TEAM	TLD34G1600HC9BK(XMP)	4GB	DS	-	-	9-9-24	1.5V	•	•	•	•

DDR3 1866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IMM socket support (Options)			
								1 DIMM	2 DIMM	4 DIMM	
KINGSTON	KHX1866C11D3P1K2/8G	8GB (4GB x 2)	DS	-	-	-	1.5V	•	•	•	•
KINGSTON	KHX1866C9D3K2/8GX(XMP)	8GB(4GBX2)	DS	-	-	-	1.65V	•	•	•	•
KINGSTON	KHX1866C9D3K4/16GX(XMP)	16GB (4GB x4)	DS	-	-	-	1.65V	•	•	•	•

DDR3 2133 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IMM socket support (Options)			
								1 DIMM	2 DIMM	4 DIMM	
CORSAIR	CMT16GX3M4X2133C9(XMP 1.3)	16GB (4GB x4)	DS	-	-	9-11-10-27	1.50V	•	•	•	•
CORSAIR	CMT8GX3M2B2133C9(XMP)	8GB (4GB x 2)	DS	-	-	9-11-9-27	1.50V	•	•	•	•
PATRIOT	PGD38G2133C11K(XMP)	16GB (4GB x4)	DS	-	-	11-11-11-30	1.65V	•	•	•	•
KINGSTON	KHX21C11T1BK2/8X(XMP)	8GB(4GBx2)	DS	-	-	-	1.6V	•	•	•	•
KINGSTON	KHX2133C11D3K4/16GX(XMP)	16GB (4GB x4)	DS	-	-	-	1.65V	•	•	•	•
KINGSTON	KHX2133C11D3T1K2/16GX(XMP)	16GB(8GB x 2)	DS	-	-	-	1.6V	•	•	•	•
KINGSTON	KHX21C11T1BK2/16X(XMP)	16GB(8GBx2)	DS	-	-	-	1.6V	•	•	•	•
Team	TXD34096M2133HC9N-L	4GB	DS	SEC 128 HCH9	K4B2G0846D	9-11-11-28	1.65V	•	•	•	•
Team	TXD34096M2133HC11-L	4GB	SS	-	-	-	1.5V	•	•	•	•
ADATA	AX3U2133XC4G10-2X(XMP)	4GB	DS	-	-	10-11-11-30	1.65V	•	•	•	•
ADATA	AX3U2133XW8G10-2X(XMP)	8GB	DS	-	-	10-11-11-30	1.65V	•	•	•	•

DDR3 2400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IMM socket support (Options)			
								1 DIMM	2 DIMM	4 DIMM	
KINGSTON	KHX2400C11D3K4/8GX(XMP)	8GB(4GBx2)	SS	-	-	-	1.65V	•	•	•	•
Team	TXD34096M2400HC9N-L	4GB	DS	SEC 128 HCH9	K4B2G0846D	9-11-11-28	1.65V	•	•	•	•
G.SKILL	F3-2400C10D-8GT(XMP)	8GB(2x 4GB)	SS	-	-	10-12-12-31	1.65V	•	•	•	•
ADATA	AX3U2400G4G10-DG2(XMP)	4GB	DS	-	-	10-12-12-31	1.65V	•	•	•	•
CORSAIR	CMGTX8(XMP)	8GB (2GBx 4)	SS	-	-	10-12-10-27	1.65V	•	•	•	•

DDR3 2600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IMM socket support (Options)			
								1 DIMM	2 DIMM	4 DIMM	
G.SKILL	F3-2600CL10Q-16GBZMD(XMP)	16GB(4x 4GB)	DS	-	-	10-12-12-31	1.65V	•	•	•	•
G.SKILL	F3-2600CL11Q-32GBZHD(XMP)	32GB(8GBx4)	DS	-	-	11-13-13-35	1.65V	•	•	•	•

DDR3 2666 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	IMM socket support (Options)			
								1 DIMM	2 DIMM	4 DIMM	
G.SKILL	F3-2666CL10Q-16GBZHD(XMP)	8GB(2x 4GB)	DS	-	-	10-12-12-31	1.65V	•	•	•	•
G.SKILL	F3-2666C11Q-16GT(XMP)	16GB(4GBx4)	DS	-	-	11-13-13-35	1.65V	•	•	•	•

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.