

## H81M-PLUS Memory Qualified Vendors List(QVL)

### DDR3 1066 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>Crucial</b>	CT25664BA1067.16FF	2GB	DS	Micron	9HF22D9KPT	7	-	•	•
<b>ELPIDA</b>	EBJ21UE8EDF0-AE-F	2GB	DS	ELPIDA	J1108EDSE-DJ-F	-	1.35V(low voltage)	•	•
<b>KINGSTON</b>	KVR1066D3N7/2G	2GB	DS	ELPIDA	J1108BFSE-DJ-F	-	1.5V	•	•
<b>KINGSTON</b>	KVR1066D3N7/4G	4GB	DS	Hynix	H5TQ2G83AFR	7	1.5V	•	•

### DDR3 1333 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>A-DATA</b>	AD3U1333C2G9	2GB	SS	A-DATA	3CCD-1509HNA1126L	-	1.5V	•	•
<b>A-DATA</b>	AX3U1333C2G9-BP	2GB	SS	-	-	-	-	•	•
<b>Apacer</b>	78.A1GC6.9L1	2GB	DS	Apacer	AM5D5808FEQSBG	9	1.5V	•	•
<b>Apacer</b>	AU02GFA33C9NBGC	2GB	DS	Apacer	AM5D5808APQSBG	-	1.5V	•	•
<b>Apacer</b>	78.B1GDE.9L10C	4GB	DS	Apacer	AM5D5908CEHSBG	-	1.5V	•	•
<b>CORSAIR</b>	CMV4GX3M1A1333C9	4GB	SS	CORSAIR	512M8DCJGELBO3O1319	-	-	•	•
<b>CORSAIR</b>	TR3X6G1333C9 G	6GB(3x 2GB)	SS	-	-	9-9-9-24	1.50V	•	•
<b>CORSAIR</b>	CMD24GX3M6A1333C9(XMP)	24GB(6x4GB)	DS	-	-	9-9-9-24	1.60V	•	•
<b>CORSAIR</b>	TW3X4G1333C9D G	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.50V	•	•
<b>CORSAIR</b>	CM3X4GA1333C9N2	4GB	DS	CORSAIR	256MBDCJGELC0401136	9-9-9-24	1.5V	•	•
<b>CORSAIR</b>	CMX4GX3M1A1333C9	4GB	DS	-	-	9-9-9-24	1.50V	•	•
<b>CORSAIR</b>	CMD8GX3M4A1333C7	8GB(4 x 2GB)	DS	-	-	7-7-7-20	1.60V	•	•
<b>CORSAIR</b>	CMV8GX3M1A1333C9	8GB	DS	CORSAIR	512M8DCJGELAO401213	-	-	•	•
<b>CORSAIR</b>	CMX16GX3M2A1333C9(Ver7.21)	8GB	DS	-	-	9-9-9-24	1.50V	•	•
<b>G.SKILL</b>	F3-10666CL8D-4GBECO(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-24	XMP 1.35V	•	•
<b>G.SKILL</b>	F3-10666CL7D-8GBRH(XMP)	8GB(2 x 4GB)	DS	-	-	7-7-7-21	1.5V	•	•
<b>GEIL</b>	GG34GB1333C9DC	4GB(2 x 2GB)	DS	GEIL	GL1L128M88BA12N	9-9-9-24	1.3V(low voltage)	•	•
<b>GEIL</b>	GV34GB1333C9DC	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.5V	•	•
<b>GEIL</b>	GVP34GB1333C7DC	4GB(2 x 2GB)	DS	-	-	7-7-7-24	1.5V	•	•
<b>Hynix</b>	HMT325U6BFR8C-H9	2GB	SS	Hynix	H5TQ2G83BFRH9C	-	1.5V	•	•
<b>Hynix</b>	HMT125U6TFR8A-H9	2GB	DS	Hynix	H5TC1G83TFRH9A	-	1.35V(low voltage)	•	•
<b>Hynix</b>	HMT351U6BFR8C-H9	4GB	DS	Hynix	H5TQ2G83BFRH9C	-	1.5V	•	•
<b>KINGMAX</b>	FLFE85F-C8KF9 CAES	2GB	SS	KINGMAX	KFC8FMFXF-DXX-15A	-	1.5V	•	•
<b>KINGMAX</b>	FLFE85F-C8KL9 NAES	2GB	SS	KINGMAX	KFC8FNLXF-DXX-15A	-	1.5V	•	•
<b>KINGMAX</b>	FLFE85F-C8KM9 NAES	2GB	SS	KINGMAX	KFC8FNMXF-BXX-15A	-	1.5V	•	•
<b>KINGMAX</b>	FLFE85F-B8KL9 NEES	2GB	DS	KINGMAX	KKB8FNWBFGNX-26A	-	1.5V	•	•
<b>KINGMAX</b>	FLFF65F-C8KL9 NEES	4GB	DS	KINGMAX	KFC8FNLXF-DXX-15A	-	1.5V	•	•
<b>KINGMAX</b>	FLFF65F-C8KM9 NEES	4GB	DS	KINGMAX	KFC8FNMXF-BXX-15A	-	1.5V	•	•
<b>KINGSTON</b>	KVR1333D3N9/2G(矮版)	2GB	SS	Hynix	H5TQ2G83AFRH9C	9	1.5V	•	•
<b>KINGSTON</b>	KVR1333D3S8N9/2G	2GB	SS	Micron	IID77 D9LGK	-	1.5V	•	•
<b>KINGSTON</b>	KVR1333D3S8N9/2G-SP(矮版)	2GB	SS	ELPIDA	J2108BCSE-DJ-F	-	1.5V	•	•

<b>KINGSTON</b>	KVR1333D3N9/2G(矮版)	2GB	DS	ELPIDA	J1108BFBG-DJ-F	9	1.5V	•	•
<b>KINGSTON</b>	KVR1333D3N9/2G-SP(矮版)	2GB	DS	KTC	D1288JEMFNGD9U	-	1.5V	•	•
<b>KINGSTON</b>	KVR1333D3N9/2G-SP(矮版)	2GB	DS	KINGSTON	D1288JPSFPGD9U	-	1.5V	•	•
<b>KINGSTON</b>	KHX1333C7D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	7	1.65V	•	•
<b>KINGSTON</b>	KHX1333C9D3UK2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	9	XMP 1.25V	•	•
<b>KINGSTON</b>	KVR1333D3N9/4G(矮版)	4GB	DS	ELPIDA	J2108BCSE-DJ-F	-	1.5V	•	•
<b>KINGSTON</b>	KVR1333D3N9/4G	4GB	DS	KTC	D2568JENCNGD9U	-	1.5V	•	•
<b>KINGSTON</b>	KVR1333D3N9/4G-SP(矮版)	4GB	DS	KINGSTON	D2568JENCPCGD9U	-	1.5V	•	•
<b>Micron</b>	MT8JTF25664AZ-1G4D1	2GB	SS	Micron	OJD12D9LGK	-	1.5V	•	•
<b>Micron</b>	MT8JTF25664AZ-1G4M1	2GB	SS	MICRON	IJM22 D9PFJ	-	1.5V	•	•
<b>Micron</b>	MT16JTF51264AZ-1G4D1	4GB	DS	Micron	OLD22D9LGK	-	1.5V	•	•
<b>NANYA</b>	NT4GC64B8HG0NF-CG	4GB	DS	NANYA	NT5CB256M8GN-CG	-	1.5V	•	•
<b>PSC</b>	AL8F8G73F-DJ2	2GB	DS	PSC	A3P1GF3FGF	-	1.5V	•	•
<b>SAMSUNG</b>	M378B5773DH0-CH9	2GB	SS	SAMSUNG	K4B2G0846D	-	1.5V	•	•
<b>SAMSUNG</b>	M378B5673FH0-CH9	2GB	DS	SAMSUNG	K4B1G0846F	-	-	•	•
<b>SAMSUNG</b>	M378B5273CH0-CH9	4GB	DS	SAMSUNG	K4B2G0846C	-	1.5V	•	•
<b>SAMSUNG</b>	M378B1G73AH0-CH9	8GB	DS	SAMSUNG	K4B4G0846A-HCH9	-	1.5V	•	•
<b>Super Talent</b>	W1333UB2GS	2GB	DS	SAMSUNG	K4B1G0846F	9	1.5V	•	•
<b>Super Talent</b>	W1333UB4GS	4GB	DS	SAMSUNG	K4B2G0846C	-	1.5V	•	•
<b>Super Talent</b>	W1333UX6GM	6GB(3x 2GB)	DS	Micron	0BF27D9KPT	9-9-9-24	1.5V	•	•
<b>Transcend</b>	JM1333KLN-2G	2GB	SS	HYNIX	H5TQ2G83BZRH9C	-	1.5V	•	•
<b>Transcend</b>	8G DDR3 1333 DIMM CL9	8GB	DS	Transcend	E207X8BO643Y	-	-	•	•
<b>Transcend</b>	8G DDR3 1333 DIMM CL9	8GB	DS	-	N/A	-	-	•	•
<b>AMD</b>	AE32G1339U1-U	2GB	SS	AMD	23EY4587MB3H11503M	9-9-9-24	1.5V	•	•
<b>AMD</b>	AE34G1339U2-U	4GB	DS	AMD	23EY4587MB3H11503M	9-9-9-24	1.5V	•	•
<b>ASint</b>	SLZ302G08-EDJ1C	2GB	SS	Asint	SLZ302G08-DJ1C	-	1.5V	•	•
<b>ASint</b>	SLA304G08-EDJ1B	4GB	SS	Asint	304G08-DJ1B1301	-	-	•	•
<b>ASint</b>	SLA302G08-EDJ1C	4GB	DS	Asint	SLA302G08-DJ1C	-	1.5V	•	•
<b>ASint</b>	SLB304G08-EDJ1B	8GB	DS	Asint	SLB304G08-DJ1B	-	1.5V	•	•
<b>Elixir</b>	M2F2G64CB88B7N-CG	2GB	SS	Elixir	N2CB2G80BN-CG	-	1.5V	•	•
<b>Elixir</b>	M2F2G64CB88D7N-CG	2GB	SS	Elixir	N2CB2G80DN-CG	-	1.5V	•	•
<b>Elixir</b>	M2F2G64CB88G7N-CG	2GB	SS	Elixir	N2CB2G80GN-CG	-	-	•	•
<b>Elixir</b>	M2F4G64CB88B5N-CG	4GB	DS	Elixir	N2CB2G80BN-CG	-	1.5V	•	•
<b>Elixir</b>	M2F4G64CB88D5N-CG	4GB	DS	Elixir	N2CB2G80DN-CG	-	1.5V	•	•
<b>HMD</b>	HMDD302GU648S1B9C-MEX	2GB	SS	ERTH	256X8DDR3 WT	-	1.5V	•	•
<b>HMD</b>	HMDD304GU648S1B9C-MEX	4GB	SS	UUJK	512X8DDR3 WT	-	1.5V	•	•
<b>HMD</b>	HMDD308GU648D1B9C-MEX	8GB	DS	FFCT	512X8DDR3 WT	-	1.5V	•	•
<b>KINGSHARE</b>	KSRPCD313332G	2GB	DS	PATRIOT	PM128M8D385-15	-	1.5V	•	•
<b>KINGSTEK</b>	KSTD3PC-10600	2GB	SS	MICRON	PE911-125E	-	1.5V	•	•
<b>MARKVISION</b>	BMD32048M1333C9-1123	2GB	DS	MARKVISION	M3D1288P-13	-	-	•	•
<b>MARKVISION</b>	BMD34096M1333C9-1124	4GB	DS	MARKVISION	M3D2568E-13	-	-	•	•
<b>PATRIOT</b>	PG38G1333EL(XMP)	8GB	DS	-	-	9-9-9-24	1.5V	•	•
<b>RAMAXEL</b>	RMR1870ED48E8F-1333	2GB	DS	ELPIDA	J1108BDBG-DJ-F	-	-	•	•
<b>RAMAXEL</b>	RMR1870EC58E9F-1333	4GB	DS	ELPIDA	J2108BCSE-DJ-F	-	-	•	•

<b>RiDATA</b>	C304627CB1AG22Fe	2GB	DS	RiDATA	N/A	9	1.5V	•	•
<b>RiDATA</b>	E304459CB1AG32Cf	4GB	DS	RiDATA	N/A	9	1.5V	•	•
<b>Silicon Power</b>	SP002GBLTU133V02	2GB	SS	S-POWER	20YT3NG-1202	-	1.5V	•	•
<b>Silicon Power</b>	SP004GBLTU133V02	4GB	DS	S-POWER	20YT3NG-1201	-	1.5V	•	•
<b>TEAM</b>	TED34G1333HC9BK	4GB	DS	-	-	9-9-9-24	-	•	•
<b>TEAM</b>	TED38G1333HC9BK	8GB	DS	-	-	9-9-9-24	1.5V	•	•
<b>UMAX</b>	E41302GP0-73BDB	2GB	DS	UMAX	U2S24D30TP-13	-	1.5V	•	•
<b>WINTEC</b>	3WVS31333-2G-CNR	2GB	DS	AMPO	AM3420803-13H	-	1.5V	•	•

### DDR3 1600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>APACER</b>	4GB UNB PC3-12800 CL11	4GB	SS	APACER	AM5D6008BQQSCK	-	-	•	•
<b>Apacer</b>	78.B1GE3.9L10C	4GB	DS	Apacer KZZC	AM5D5908DEQSCK	-	-	•	•
<b>APACER</b>	8GB UNB PC3-12800 CL11	8GB	DS	APACER	AM5D6008BQQSCK	-	-	•	•
<b>CORSAIR</b>	CMV4GX3M1A1600C11	4GB	SS	CORSAIR	512M8DDLGPSBO381320	-	-	•	•
<b>CORSAIR</b>	CMD12GX3M6A1600C8(XMP)	12GB(6x2GB)	DS	-	-	8-8-8-24	1.65V	•	•
<b>CORSAIR</b>	CMZ32GX3M4X1600C10(XMP)	32GB(8GBx4)	DS	-	-	10-10-10-27	1.50V	•	•
<b>CORSAIR</b>	CMP4GX3M2A1600C8(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.65V	•	•
<b>CORSAIR</b>	CMP4GX3M2A1600C9(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•
<b>CORSAIR</b>	CMP4GX3M2C1600C7(XMP)	4GB(2 x 2GB)	DS	-	-	7-8-7-20	1.65V	•	•
<b>CORSAIR</b>	CMX4GX3M2A1600C9(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•
<b>CORSAIR</b>	CML8GX3M2A1600C9	4GB	DS	-	-	9-9-9-24	1.50V	•	•
<b>CORSAIR</b>	CMZ4GX3M1A1600C9	4GB	DS	-	-	9-9-9-24	1.50V	•	•
<b>CORSAIR</b>	CMZ8GX3M2A1600C9	4GB	DS	-	-	9-9-9-24	1.50V	•	•
<b>CORSAIR</b>	TR3X6G1600C8D G(XMP)	6GB(3 x 2GB)	DS	-	-	8-8-8-24	1.65V	•	•
<b>CORSAIR</b>	TR3X6G1600C9 G(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•
<b>CORSAIR</b>	CMP8GX3M2A1600C9(XMP)	8GB(2 x 4GB)	DS	-	-	9-9-9-24	1.65V	•	•
<b>CORSAIR</b>	CMZ8GX3M2A1600C7R(XMP)	8GB(2 x 4GB)	DS	-	-	7-8-7-20	1.50V	•	•
<b>CORSAIR</b>	CMX8GX3M4A1600C9(XMP)	8GB(4 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•
<b>CORSAIR</b>	CML16GX3M2A1600C10	8GB	DS	-	-	10-10-10-27	1.50V	•	•
<b>CORSAIR</b>	CMV8GX3M1A1600C11	8GB	DS	CORSAIR	512M8DDLGPSBO381311	-	-	•	•
<b>CORSAIR</b>	CMZ8GX3M1A1600C10(XMP)	8GB	DS	-	-	10-10-10-27	1.50V	•	•
<b>CORSAIR</b>	CMY8GX3M2A1600C9	4GB	SS	-	-	9-9-9-24	1.50V	•	•
<b>CORSAIR</b>	CMY16GX3M2A1600C9	8GB	DS	-	-	9-9-9-24	1.50V	•	•
<b>CORSAIR</b>	CMY32GX3M4A1600C9	8GB	DS	-	-	9-9-9-24	1.50V	•	•
<b>G.SKILL</b>	F3-12800CL7D-4GBRH(XMP)	4GB(2 x 2GB)	SS	-	-	7-7-7-24	1.6V	•	•
<b>G.SKILL</b>	F3-12800CL7D-4GBECO(XMP)	4GB(2 x 2GB)	DS	-	-	7-7-8-24	XMP 1.35V	•	•
<b>G.SKILL</b>	F3-12800CL7D-4GBRM(XMP)	4GB(2 x 2GB)	DS	-	-	7-8-7-24	1.6V	•	•
<b>G.SKILL</b>	F3-12800CL9D-4GBRL(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.5V	•	•
<b>G.SKILL</b>	F3-12800CL7D-8GBRH(XMP)	8GB(2 x 4GB)	DS	-	-	7-8-7-24	1.6V	•	•
<b>G.SKILL</b>	F3-12800CL8D-8GBECO(XMP)	8GB(2 x 4GB)	DS	-	-	8-8-8-24	XMP 1.35V	•	•
<b>G.SKILL</b>	F3-12800CL9D-8GBRL(XMP)	8GB(2 x 4GB)	DS	-	-	9-9-9-24	1.5V	•	•
<b>G.SKILL</b>	F3-12800CL10S-8GBXL(XMP)	8GB	DS	-	-	10-10-10-30	-	•	•

GEIL	GET316GB1600C9QC(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-28	1.6V	•	•
HYNIX	HMT351U6CFR8C-PB	4GB	DS	HYNIX	H5TQ2G83CFR PBC	-	-	•	•
KINGMAX	FLGE85F-B8KJ9A FEIS(XMP)	2GB	DS	-	-	-	1.5V	•	•
KINGSTON	KHX1600C9D3P1K2/4G	4GB(2 x 2GB)	SS	-	-	-	1.5V	•	•
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB(3x4GB)	DS	-	-	9-9-9-27	1.65V	•	•
KINGSTON	KHX1600C9D3T1BK3/12GX(XMP)	12GB(3x4GB)	DS	-	-	9-9-9-27	1.65V	•	•
KINGSTON	KHX1600C9D3K4/16GX(XMP)	16GB ( 4GB x4 )	DS	-	-	-	1.65V	•	•
KINGSTON	KHX1600C10D3B1K2/16G	16GB(8GBx2)	DS	-	-	-	1.5V	•	•
KINGSTON	KHX16C9K2/16	16GB(8GBx2)	DS	-	-	-	1.5V	•	•
KINGSTON	KHX1600C9AD3/2G	2GB	DS	-	-	-	1.65V	•	•
KINGSTON	KVR1600D3N11/2G-ES	2GB	DS	KTC	D1288JPNDDPLD9U	11-11-11-28	1.35V-1.5V	•	•
KINGSTON	KHX1600C7D3K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65V	•	•
KINGSTON	KHX1600C8D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	8	1.65V	•	•
KINGSTON	KHX1600C8D3T1K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	8	1.65V	•	•
KINGSTON	KHX1600C9D3K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	9	1.65V	•	•
KINGSTON	KHX1600C9D3LK2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	9	XMP 1.35V	•	•
KINGSTON	KHX1600C9D3X2K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-27	1.65V	•	•
KINGSTON	KHX1600C9D3/4G	4GB	DS	-	-	-	1.65V	•	•
KINGSTON	KVR16N11/4(矮版)	4GB	DS	KINGSTON	D2568GEROPGGBU	-	1.5V	•	•
KINGSTON	KHX1600C9D3T1K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	-	1.65V	•	•
KINGSTON	KHX1600C9D3K3/6GX(XMP)	6GB(3 x 2GB)	DS	-	-	9	1.65V	•	•
KINGSTON	KHX1600C9D3T1BK3/6GX(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-27	1.65V	•	•
KINGSTON	KHX1600C9D3K2/8GX(XMP)	8GB(2 x 4GB)	DS	-	-	-	1.65V	•	•
KINGSTON	KHX1600C9D3P1K2/8G	8GB(2 x 4GB)	DS	-	-	-	1.5V	•	•
KINGSTON	KHX16C10B1K2/16X(XMP)	8GB	DS	-	-	-	1.5V	•	•
KINGSTON	KHX16C9P1K2/16(XMP)	8GB	DS	-	-	-	1.5V	•	•
MICRON	MT8JTF51264AZ-1G6E1	4GB	SS	MICRON	D9QBJ	-	-	•	•
MICRON	MT16JTF1G64AZ-1G6E1	8GB	DS	MICRON	D9QBJ	-	-	•	•
PSC	AL9F8L93B-GN2E	4GB	SS	PSC	XHP284C3G-M	-	-	•	•
PSC	ALAF8L93B-GN2E	8GB	DS	PSC	XHR425C3G-M	-	-	•	•
Transcend	TS512MLK64W6H	4GB	SS	SEC 234 HYKO	K4B4GO8468	-	-	•	•
Transcend	8G DDR3 1600 DIMM CL11	8GB	DS	SEC 222 HYKO	6MD9639W	-	-	•	•
Transcend	8G DDR3 1600 DIMM CL11	8GB	DS	Transcend	E223X8BO648S	-	-	•	•
Transcend	TS1GLK64W6H	8GB	DS	SEC 234 HYKO	K4B4GO8468	-	-	•	•
ADATA	AD3U1600C2G11-B	2GB	SS	-	N/A	-	-	•	•
ADATA	AD3U1600W4G11-B	4GB	SS	ADATA	F209X8BR6413	-	-	•	•
ADATA	AX3U1600GW8G9	16GB ( 2x 8GB )	DS	-	-	9-9-9-24	1.5V	•	•
ADATA	AX3U1600W8G11	16GB ( 2x 8GB )	DS	-	-	11-11-11-28	1.5V	•	•
ADATA	AXDU1600GW8G9B	16GB ( 2x 8GB )	DS	-	-	11-11-11-28	1.5V	•	•
ADATA	AD3U1600C4G11-B	4GB	DS	-	N/A	-	-	•	•
ADATA	AD3U1600W8G11-B	8GB	DS	ADATA	F211X8B0640A	-	-	•	•
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	•	•
ASint	SLZ302G08-EGN1C	2GB	SS	Asint	SLZ302G08-GN1C	-	-	•	•

Asint	SLA304G08-ENG1B	4GB	SS	Asint	304G08-GN1B1301	-	-	•	•
Asint	SLZ3128M8-EGJ1D(XMP)	2GB	DS	Asint	3128M8-GJ1D	9-9-9-24	1.6V	•	•
Asint	SLA302G08-EGG1C(XMP)	4GB	DS	Asint	302G08-GG1C	-	-	•	•
Asint	SLA302G08-EGJ1C(XMP)	4GB	DS	Asint	302G08-GJ1C	-	-	•	•
ASint	SLA302G08-EGN1C	4GB	DS	Asint	SLA302G08-GN1C	-	-	•	•
Asint	SLB304G08-EGJ1B	8GB	DS	-	-	-	-	•	•
ASint	SLB304G08-EGN1B	8GB	DS	Asint	SLB304G08-GN1B	-	-	•	•
Elixir	M2P2G64CB8HC9N-DG(XMP)	2GB	DS	-	-	-	1.65V/1.65V	•	•
Elixir	M2P2G64CB8HC9N-DG	2GB	DS	-	-	-	-	•	•
Elixir	M2X8G64CB8HB5N-DG(XMP)	8GB	DS	Elixir 1213	N2CB4G8BOBN-DG	-	-	•	•
PATRIOT	PGD316G1600ELK(XMP)	32GB(8GBx4)	DS	-	-	9-9-9-24	1.65V	•	•
PATRIOT	PV332G160C9QK	8GB	DS	-	-	-	1.5V	•	•
SanMax	SMD-4G68HP-16KZ	4GB	DS	HYNIX	H5TQ2G83BFR PBC	-	-	•	•
Silicon Power	SP002GBLTU160V02(XMP)	2GB	SS	S-POWER	20YT5NG-1201	-	-	•	•
Silicon Power	SP004GBLTU160V02(XMP)	4GB	DS	S-POWER	20YT5NG-1201	-	-	•	•
TEAM	TED34G1600HC11BK	4GB	DS	-	-	11-11-11-28	-	•	•
TEAM	TLD34G1600HC9BK(XMP)	4GB	DS	-	-	9-9-24	1.5V	•	•
TEAM	TED38G1600HC11BK	8GB	DS	-	-	11-11-11-28	-	•	•

### DDR3 1866 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
CORSAIR	CMT4GX3M2A1866C9(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•
CORSAIR	CMT6GX3MA1866C9(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•
CORSAIR	CMZ8GX3M2A1866C9(XMP)	8GB(2 x 4GB)	DS	-	-	9-10-9-27	1.50V	•	•
CORSAIR	CMD32GX3M4A1866C9(Ver3.24)	8GB	DS	-	-	9-10-9-27	1.50V	•	•
CORSAIR	CMY16GX3M2A1866C9(Ver3.24)	8GB	DS	-	-	9-10-9-27	1.50V	•	•
CORSAIR	CMZ16GX3M2A1866C10(Ver4.21)	8GB	DS	-	-	10-11-10-30	1.50V	•	•
CRUCIAL	BLE4G3D1869DE1TXO.16FMD(XMP)	4GB	DS	-	-	9-9-9-27	1.5V	•	•
CRUCIAL	BLT4G3D1869DT1TXO.13FKD(XMP)	4GB	DS	-	-	9-9-9-27	1.5V	•	•
CRUCIAL	BLT4G3D1869DT2TXOB.16FMR(XMP)	4GB	DS	-	-	9-9-9-27	1.5V	•	•
CORSAIR	CMY8GX3M2A1866C9	4GB	SS	-	-	9-10-9-27	1.50V	•	•
CORSAIR	CMY32GX3M4A1866C9	8GB	DS	-	-	9-10-9-27	1.50V	•	•
G.SKILL	F3-14900CL9Q-16GBZL(XMP1.3)	16GB ( 4GB x4 )	DS	-	-	9-10-9-28	1.5V	•	•
G.SKILL	F3-14900CL10Q2-64GBZLD(XMP1.3)	64GB ( 8GBx 8 )	DS	-	-	10-11-10-30	1.5V	•	•
G.SKILL	F3-14900CL9Q-8GBXL(XMP)	8GB(2GBx4)	DS	-	-	9-9-9-24	1.6V	•	•
KINGSTON	KHX1866C9D3K4/16GX(XMP)	16GB ( 4GB x4 )	DS	-	-	-	1.65V	•	•
KINGSTON	KHX1866C11D3P1K2/8G	8GB ( 4GB x 2 )	DS	-	-	-	1.5V	•	•
KINGSTON	KHX1866C9D3K2/8GX(XMP)	8GB(4GBX2)	DS	-	-	-	1.65V	•	•
KINGSTON	KHX18C10T3K4/32X	8GB	DS	-	-	-	1.5V	•	•
ADATA	AX3U1866XW8G10	16GB ( 2x 8GB )	DS	-	-	10-11-10-30	1.5V	•	•
AMD	AP38G1869U2K	8GB(4GBX2)	DS	-	-	9-10-9-27	1.5V	•	•
Team	TLD34G1866H9KBK	4GB	DS	-	-	9-11-9-27	1.5V	•	•
Team	TLD38G1866HC10SBK	8GB	DS	-	-	10-11-10-30	1.5V	•	•

**DDR3 2000 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
Apacer	78.AAGD5.9KD(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-27	1.65V	•	•
CORSAIR	CMZ4GX3M2A2000C10(XMP)	4GB(2 x 2GB)	SS	-	-	10-10-10-27	1.50V	•	•
CORSAIR	CMT6GX3M3A2000C8(XMP)	6GB(3 x 2GB)	DS	-	-	8-9-8-24	1.65V	•	•
G.SKILL	F3-16000CL9D-4GBFLS(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V	•	•
G.SKILL	F3-16000CL9D-4GBTD(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-27	1.65V	•	•
G.SKILL	F3-16000CL6T-6GBPIS(XMP)	6GB (3x 2GB )	DS	-	-	6-9-6-24	1.65V	•	•
GEIL	GUP34GB2000C9DC(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-28	1.65V	•	•
KINGSTON	KHX2000C9AD3T1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65V	•	•
KINGSTON	KHX2000C9AD3W1K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	-	1.65V	•	•
KINGSTON	KHX2000C9AD3T1K3/6GX(XMP)	6GB (3x 2GB )	DS	-	-	-	1.65V	•	•
Asint	SLA302G08-ML2HB(XMP)	4GB	DS	HYNIX	H5TQ2G83BFR H9C	-	-	•	•

**DDR3 2133 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
CORSAIR	CMZ8GX3M2A2133C11(Ver4.21)	4GB	SS	-	-	11-11-11-27	1.50V	•	•
CORSAIR	CMY8GX3M2A2133C11R	8GB(4 x 2GB)	SS	-	-	11-11-11-27	1.50V	•	•
CORSAIR	CMT16GX3M4X2133C9(XMP 1.3)	16GB ( 4GB x4 )	DS	-	-	9-11-10-27	1.50V	•	•
CORSAIR	CMT4GX3M2A2133C9(XMP)	4GB(2x 2GB)	DS	-	-	9-10-9-24	1.65V	•	•
CORSAIR	CMT4GX3M2B2133C9(XMP)	4GB(2x 2GB)	DS	-	-	9-10-9-27	1.50V	•	•
CORSAIR	CMD8GX3M2B2133C9(Ver5.12)	4GB	DS	-	-	9-11-11-31	1.65V	•	•
CORSAIR	CMT8GX3M2B2133C9(XMP)	8GB ( 4GB x 2)	DS	-	-	9-11-9-27	1.50V	•	•
CORSAIR	CMD16GX3M2A2133C9(Ver4.21)	8GB	DS	-	-	9-11-11-31	1.65V	•	•
CORSAIR	CMD32GX3M4A2133C9(Ver4.21)	8GB	DS	-	-	9-11-11-31	1.65V	•	•
G.SKILL	F3-17000CL9Q-16GBZH(XMP1.3)	16GB ( 4GB x4 )	DS	-	-	9-11-10-28	1.65V	•	•
G.SKILL	F3-17000CL11Q2-64GBZLD(XMP)	8GB	DS	-	-	11-11-11-31	1.5V	•	•
G.SKILL	F3-2133C11Q-32GZL(XMP)	8GB	DS	-	-	11-11-11-31	1.5V	•	•
GEIL	GE34GB2133C9DC(XMP)	2GB	DS	-	-	9-9-9-28	1.65V	•	•
GEIL	GU34GB2133C9DC(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-28	1.65V	•	•
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	•	•
KINGSTON	KHX2133C9AD3T1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65V	•	•
KINGSTON	KHX2133C9AD3X2K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	9-11-9-27	1.65V	•	•
KINGSTON	KHX2133C9AD3T1K4/8GX(XMP)	8GB(4 x 2GB)	DS	-	-	9-11-9-27	1.65V	•	•
KINGSTON	KHX21C11T1BK2/8X(XMP)	8GB(4GBx2)	DS	-	-	-	1.6V	•	•
KINGSTON	KHX2133C9AD3T1FK4/8GX(XMP)	8GB(4x 2GB)	DS	-	-	-	1.65V	•	•
KINGSTON	KHX21C11T13K4/32X	8GB	DS	-	-	-	1.65V	•	•
ADATA	AX3U2133XW8G10	16GB ( 2x 8GB )	DS	-	-	10-11-11-30	1.65V	•	•
ADATA	AX3U2133XC4G10-2X(XMP)	4GB	DS	-	-	10-11-11-30	1.65V	•	•

<b>ADATA</b>	AX3U2133XW8G10-2X(XMP)	8GB	DS	-	-	10-11-11-30	1.65V	•	•
<b>AMD</b>	AP38G2133U2K	4GB	DS	-	-	11-12-11-30	1.65V	•	•
<b>AMD</b>	AG34G2130UI	4GB	SS	-	-	10-11-11-30	1.65V	•	•
<b>Team</b>	TXD34096M2133HC11-L	4GB	SS	-	-	-	1.5V	•	•
<b>Team</b>	TLD38G2133HC11ABK	8GB	DS	-	-	11-11-11-31	1.65V	•	•

### DDR3 2200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>GEIL</b>	GET34GB2200C9DC(XMP)	2GB	DS	-	-	9-10-9-28	1.65V	•	•
<b>GEIL</b>	GET38GB2200C9ADC(XMP)	4GB	DS	-	-	9-11-9-28	1.65V	•	•
<b>KINGMAX</b>	FLKE85F-B8KJAA-FEIS(XMP)	2GB	DS	-	-	-	1.5V	•	•
<b>KINGMAX</b>	FLKE85F-B8KHA EEIH(XMP)	4GB(2 x 2GB)	DS	-	-	-	1.65V	•	•
<b>KINGMAX</b>	FLKE85F-B8KJA FEIH(XMP)	4GB(2 x 2GB)	DS	-	-	-	1.65V	•	•

### DDR3 2250 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>KINGSTON</b>	KHX2250C9D3T1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65V	•	•

### DDR3 2400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>CORSAIR</b>	CMGTX8(XMP)	8GB (2GBx 4)	SS	-	-	10-12-10-27	1.65V	•	•
<b>CORSAIR</b>	CMD16GX3M2A2400C9(Ver4.21)	8GB	DS	-	-	10-12-12-31	1.65V	•	•
<b>CORSAIR</b>	CMD32GX3M4A2400C10(Ver5.29)	8GB	DS	-	-	10-12-12-31	1.65V	•	•
<b>CORSAIR</b>	CMY16GX3M2A2400C10R(Ver4.21)	8GB	DS	-	-	10-12-12-31	1.65V	•	•
<b>G.SKILL</b>	F3-2400C10D-8GTX(XMP)	8GB(2x 4GB)	SS	-	-	10-12-12-31	1.65V	•	•
<b>G.SKILL</b>	F3-19200CL11Q-16GBZHD(XMP1.3)	16GB ( 4GB x4 )	DS	-	-	11-11-11-31	1.65V	•	•
<b>G.SKILL</b>	F3-19200CL9D-4GBPIS(XMP)	4GB(2x 2GB)	DS	-	-	9-11-9-28	1.65V	•	•
<b>G.SKILL</b>	F3-19200CL 10Q-32GBZHD(XMP)	8GB	DS	-	-	10-12-12-31	1.65V	•	•
<b>GEIL</b>	GET34GB2400C9DC(XMP)	2GB	DS	-	-	9-11-9-27	1.65V	•	•
<b>KINGMAX</b>	FLLE88F-C8KKAA HAIS(XMP)	2GB	SS	-	-	10-11-10-30	1.8V	•	•
<b>KINGSTON</b>	KHX2400C11D3K4/8GX(XMP)	8GB(4GBx2)	SS	-	-	-	1.65V	•	•
<b>KINGSTON</b>	KHX24C11T2K2/8X(XMP)	4GB	DS	-	-	-	1.65V	•	•
<b>ADATA</b>	AX3U2400GW8G11	16GB ( 2x 8GB )	DS	-	-	11-13-13-35	1.65V	•	•
<b>ADATA</b>	AX3U2400G4G10-DG2(XMP)	4GB	DS	-	-	10-12-12-31	1.65V	•	•
<b>PATRIOT</b>	PVV34G2400C9K(XMP)	4GB(2x 2GB)	DS	-	-	9-11-9-27	1.65V	•	•
<b>Team</b>	TXD38G2400HC10QBK	8GB	DS	-	-	10-12-12-31	1.65V	•	•

### DDR3 2600 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>G.SKILL</b>	F3-2600CL10Q-16GBZMD(XMP)	16GB(4x 4GB)	DS	-	-	10-12-12-31	1.65V	•	•

<b>G.SKILL</b>	F3-2600CL11Q-32GBZHD(XMP)	32GB(8GBx4)	DS	-	-	11-13-13-35	1.65V	•	•
<b>ADATA</b>	AX3U2600GW8G11	16GB ( 2x 8GB )	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	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>CORSAIR</b>	CMD16GX3M4A2666C10 (Ver4.13)	4GB	DS	-	-	10-12-12-31	1.65V	•	•
<b>CORSAIR</b>	CMD16GX3M4A2666C11 (XMP)	4GB	DS	-	-	11-13-13-35	1.65V	•	•
<b>G.SKILL</b>	F3-2666C11Q-16GTXD(XMP)	16GB(4GBx4)	DS	-	-	11-13-13-35	1.65V	•	•
<b>Team</b>	TXD34G2666HC11CBK	8GB ( 2x 4GB )	SS	-	-	11-13-13-35	1.65V	•	•
<b>Team</b>	TXD38G2666HC11CBK	16GB ( 2x 8GB )	DS	-	-	11-13-13-35	1.65V	•	•

### DDR3 2800 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>CORSAIR</b>	CMD16GX3M4A2800C12 (XMP)	4GB	DS	-	-	12-14-14-36	1.65V	•	•
<b>G.SKILL</b>	F3-2800C11Q-16GTXD(XMP)	16GB(4GBx4)	DS	-	-	11-13-13-35	1.65V	•	•
<b>G.SKILL</b>	F3-2800C12Q-32GGTXDG	8GB	DS	-	-	12-14-14-35	1.65V	•	•

### DDR3 2933 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								1 DIMM	2 DIMM
<b>G.SKILL</b>	F3-2933C12Q-16GTDXG	4GB	SS	-	-	12-14-14-35	1.65V	•	•
<b>G.SKILL</b>	F3-2933C12D-16GTDXG	8GB	DS	-	-	12-14-14-35	1.65V	•	•

#### 2 DIMM Slots

- **1 DIMM**: Supports one module inserted in any slot as Single-channel memory configuration
- **2 DIMM**: Supports 2 modules inserted into both the [yellow](#) 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.