

P8B WS Memory Qualified Vendors List (QVL)

DDR3 1333 MHz Capability BIOS Version:0904

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
Patriot	PGD316G1333ELK(XMP)	8G	DS	-	-	9-9-9-24	1.5	•	•	•

DDR3 1600 MHz Capability BIOS Version:0904

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
Kingston	KHX1600C9D3K8/32GX(XMP)	8G	DS	-	-	9-9-9-27 (9-9-9-24)	1.65	•	•	•

DDR3 1866 MHz Capability BIOS Version:0904

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
CORSAIR	CMT32GX3M4X1866C9 (Ver1.50)(XMP)	8G	DS	-	-	9-10-9-27 (1333-7-7-24)	1.5	•	•	•
CORSAIR	CMT32GX3M4X1866C9 (Ver3.23)(XMP)	8G	DS	-	-	10-10-10-27 (9-9-9-24)	1.5	•	•	•

DDR3 1333 MHz Capability BIOS Version:0802

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
Kingston	KVR1333D3E9S/4G	4G	DS	HYNIX	H5TQ2G83BFR H9C 126VS	9-9-9-24	1.5	•	•	•

DDR3 1333 MHz Capability BIOS Version:0703

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
Kingston	KVR1333D3E9S	4G	DS	ELPIDA	J2108ECSE-DJ-F (9965413-028.A01LF)	-	1.5	•	•	•

DDR3 1333 MHz Capability BIOS Version:0511

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
A-DATA	SU3U1333W8G9-B	8G	DS	ELPIDA	J4208BASE-DJ-F	-	1.5	•	•	•
SAMSUNG	M378B1G73AH0	8G	DS	SAMSUNG	K4B4G0846A-HCH9	-	1.5	•	•	•

DDR3 1067 MHz Capability BIOS Version:0202

DDR3 1067 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
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	J1108BAG-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	J1108BAG-DJ-E	7	-	•	•	•
ELPIDA	EBJ21UE8EDF0-AE-F	2GB	DS	ELPIDA	J1108EDSE-DJ-F	-	-	•	•	•
GEIL	GG34GB1066C8DC	4GB (2x 2GB)	DS	GEIL	GL1L128M88BA115FW	8-8-8-20	1.3	•	•	•
Hynix	HMT112U6AFP8C-G7N0	1GB	SS	HYNIX	H5TQ1G83AFP8G7C	7	-	•	•	•
Hynix	HYMT112U64ZNF8-G7	1GB	SS	HYNIX	HY5TQ1G831ZNF8-G7	7	-	•	•	•
Hynix	HMT125U6AFP8C-G7N0	2GB	DS	HYNIX	H5TQ1G83AFP8G7C	7	-	•	•	•
Hynix	HYMT125U64ZNF8-G7	2GB	DS	HYNIX	HY5TQ1G831ZNF8-G7	7	-	•	•	•
Kingston	KVR1066D3N7/1G	1GB	SS	Kingston	D1288JPNPLD9U	7	1.5	•	•	•
Kingston	KVR1066D3N7/2G	2GB	DS	Elpida	J1108BDSE-DJ-F	7	1.5	•	•	•
MICRON	MT8JTF12864AZ-1G1F1	1GB	SS	MICRON	8ZF22 D9KPV	7	-	•	•	•
MICRON	MT8JTF12864AZ-1G1F1	1GB	SS	MICRON	D9KPT	7	-	•	•	•
MICRON	MT9JSF12872AZ-1G1F1	1GB	SS	MICRON	D9KPT(ECC)	7	-	•	•	•
MICRON	MT16JTF25664AZ-1G1F1	2GB	DS	MICRON	8ZF22 D9KPV	7	-	•	•	•
MICRON	MT16JTF25664AZ-1G1F1	2GB	DS	MICRON	D9KPT	7	-	•	•	•
MICRON	MT18JSF25672AZ-1G1F1	2GB	DS	MICRON	D9KPT(ECC)	7	-	•	•	•
SAMSUNG	M378B5273BH1-CF8	4GB	DS	SAMSUNG	K4B2G0846B-HCF8	8	1.5	•	•	•
Elixir	M2Y2G64CB8HA9N-BE	2GB	DS	-	-	-	-	•	•	•
Elixir	M2Y2G64CB8HC5N-BE	2GB	DS	Elixir	N2CB1G80CN-BE	-	-	•	•	•
Elixir	M2Y2G64CB8HC9N-BE	2GB	DS	-	-	-	-	•	•	•
WINTEC	3DU3191A-10	1GB	DS	Qimonda	IDSH51-03A1F1C-10F	7	-	•	•	•

DDR3 1333 MHz Capability BIOS Version:0202

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	4 DIMM
Apacer	78.01GC6.9L0	1GB	SS	Apacer	AM5D5808DEJSBG	9	-	•	•	•
Apacer	78.11GC6.9L1	2GB	DS	Apacer	AM5D5808DEWJSBG	9	-	•	•	•
Apacer	78.11CC6.9L1	2GB	DS	Apacer	AM5D5808FEQJSBG	9	-	•	•	•
CORSAIR	CM3X2G1333C9	2GB	DS	-	-	9-9-9-24	1.5	•	•	•
CORSAIR	TW3X4G1333C9A	4GB (2x 2GB)	DS	-	-	9-9-9-24	1.5	•	•	•
CORSAIR	CMX8GX3M2A1333C9(XMP)	8GB (2x 4GB)	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	BL25664BN1337.16FF(XMP)	2GB	DS	-	-	7-7-7-24	1.65	•	•	•
Crucial	CT25664BA1339.16FF	2GB	DS	MICRON	D9KPT	9	-	•	•	•

Crucial	CT25672BA1339.18FF	2GB	DS	MICRON	D9KPT(ECC)	9	-	-	-	-
ELPIDA	EBJ10UE8EDF0-DJ-F	1GB	SS	ELPIDA	J1108BDSE-DJ-F	-	-	-	-	-
ELPIDA	EBJ10UE8EDF0-DJ-F	1GB	SS	ELPIDA	J1108EDSE-DJ-F	-	-	-	-	-
ELPIDA	EBJ21UE8EDF0-DJ-F	2GB	DS	ELPIDA	J1108BDSE-DJ-F	-	-	-	-	-
ELPIDA	EBJ21UE8EDF0-DJ-F	2GB	DS	ELPIDA	J1108EDSE-DJ-F	-	-	-	-	-
G.SKILL	F3-10600CL9D-4GBNT	4GB (2x 2GB)	DS	G.SKILL	D3 128M8CE9 2GB	9-9-9-24	1.5	-	-	-
G.SKILL	F3-10666CL8D-4GBHK(XMP)	4GB (2x 2GB)	DS	-	-	8-8-8-21	1.5	-	-	-
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-4GBECO(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.35	-	-	-
G.SKILL	F3-10666CL9D-8GBRL	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	-	-	-
G.SKILL	F3-10666CL9D-8GBRL	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	-	-	-
GEIL	GET316GB1333C9QC	16GB (4x 4GB)	DS	-	-	9-9-9-24	1.5	-	-	-
GEIL	GG34GB1333C9DC	4GB (2x 2GB)	DS	GEIL	GL1L128M88BA115FW	9-9-9-24	1.3	-	-	-
GEIL	GB34GB1333C7DC	4GB(2 x 2GB)	DS	GEIL	GL1L128M88BA15FW	7-7-7-24	1.5	-	-	-
GEIL	GG34GB1333C9DC	4GB(2 x 2GB)	DS	GEIL	GL1L128M88BA12N	9-9-9-24	1.3	-	-	-
GEIL	GV34GB1333C7DC	4GB(2 x 2GB)	DS	-	-	7-7-7-24	1.5	-	-	-
GEIL	GV34GB1333C9DC	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.5	-	-	-
GEIL	GVP38GB1333C7QC	8GB (4x 2GB)	DS	-	-	7-7-7-24	1.5	-	-	-
Hynix	HMT112U6TFR8A-H9	1GB	SS	Hynix	H5TC1G83TFR	-	-	-	-	-
Hynix	HMT325U6BFR8C-H9	2GB	SS	Hynix	H5TQ2G83BFR	-	-	-	-	-
Hynix	HMT125U6BFR8C-H9	2GB	DS	Hynix	H5TQ1G83BFRH9C	9	-	-	-	-
Hynix	HMT125U6TFR8A-H9	2GB	DS	Hynix	H5TC1G83TFR	-	-	-	-	-
Hynix	HMT351U6BFR8C-H9	4GB	DS	Hynix	H5TQ2G83BFR	-	-	-	-	-
KINGMAX	FLFD45F-B8KL9	1GB	SS	KINGMAX	KFB8FNLXF-BNF-15A	-	-	-	-	-
KINGMAX	FLFE85F-C8KM9	2GB	SS	Kingmax	KFC8FNMXF-BXX-15A	-	-	-	-	-
KINGMAX	FLFE85F-B8KL9	2GB	DS	KINGMAX	KFB8FNLXL-BNF-15A	-	-	-	-	-
KINGMAX	FLFF65F-C8KM9	4GB	DS	Kingmax	KFC8FNMXF-BXX-15A	-	-	-	-	-
Kingston	KVR1333D3N9/1G	1GB	SS	Elpida	J1108BDSE-DJ-F	9	1.5	-	-	-
Kingston	KVR1333D3N9/2G(接版)	2GB	DS	Elpida	J1108BDBG-DJ-F	-	1.5	-	-	-
Kingston	KVR1333D3N9/2G	2GB	DS	Kingston	D1288JPNPLD9U	9	1.5	-	-	-
Kingston	KHX1333C9D3UK2/4GX(XMP)	4GB (2x 2GB)	DS	-	-	9	1.25	-	-	-
KINGSTON	KVR1333D3N9K2/4G	4GB (2x 2GB)	DS	KINGSTON	D1288JEMFPD9U	-	1.5	-	-	-
MICRON	MT4JTF12864AZ-1G4D1	1GB	SS	Micron	D9LGO	-	-	-	-	-
MICRON	MT8JTF12864AZ-1G4F1	1GB	SS	MICRON	D9KPT	9	-	-	-	-
MICRON	MT8JTF25664AZ-1G4D1	2GB	SS	Micron	D9LGK	-	-	-	-	-
MICRON	MT8JTF25664AZ-1G4D1	2GB	SS	Micron	D9LGK	-	-	-	-	-
MICRON	MT16JTF25664AZ-1G4F1	2GB	DS	MICRON	D9KPT	9	-	-	-	-
MICRON	MT16JTF51264AZ-1G4D1	4GB	DS	Micron	D9LGK	-	-	-	-	-
OCZ	OCZ3RPR1333GK	2GB (2x 1GB)	SS	-	-	6-6-6	1.75	-	-	-
OCZ	OCZ3P1333LV3GK	3GB(3 x 1GB)	SS	-	-	7-7-7	1.65	-	-	-
OCZ	OCZ3G1333LV4GK	4GB (2x 2GB)	DS	-	-	9-9-9	1.65	-	-	-
OCZ	OCZ3G1333LV4GK	4GB (2x 2GB)	DS	-	-	8-8-8	1.35	-	-	-
OCZ	OCZ3P1333LV4GK	4GB (2x 2GB)	DS	-	-	-	1.65	-	-	-
OCZ	OCZ3RPR1333GK	4GB (2x 2GB)	DS	-	-	6-6-6	1.75	-	-	-
OCZ	OCZ3G1333LV4GK	4GB(2 x 2GB)	DS	-	-	8-8-8	1.65	-	-	-
OCZ	OCZ3P1333LV4GK	4GB(2 x 2GB)	DS	-	-	7-7-7	1.65	-	-	-
OCZ	OCZX1333LV6GK(XMP)	6GB(3 x 2GB)	DS	NA	-	8-8-8	1.6	-	-	-
OCZ	OCZ3G1333LV8GK	8GB (2x 4GB)	DS	-	-	9-9-9	1.65	-	-	-
OCZ	OCZ3G1333LV8GK	8GB (2x 4GB)	DS	-	-	9-9-9	1.65	-	-	-
OCZ	OCZ3RPR1333C9LV8GK	8GB (2x 4GB)	DS	-	-	9-9-9	1.65	-	-	-
PSC	AL7F8G73D-DG1	1GB	SS	PSC	A3P1GF3DGF	-	-	-	-	-
PSC	PC310600U-9-10-A0	1GB	SS	PSC	A3P1GF3FGF	-	-	-	-	-
PSC	AL8F8G73D-DG1	2GB	DS	PSC	A3P1GF3DGF	-	-	-	-	-
PSC	PC310600U-9-10-B0	2GB	DS	PSC	A3P1GF3FGF	-	-	-	-	-
SAMSUNG	M378B2873EH1-CH9	1GB	SS	SAMSUNG	K4B1G0846E	-	-	-	-	-
SAMSUNG	M378B2873FHS-CH9	1GB	SS	SAMSUNG	K4B1G0846F	-	-	-	-	-
SAMSUNG	M378B5773DH0-CH9	2GB	SS	Samsung	K4B2G08460	-	-	-	-	-
SAMSUNG	M378B5673EH1-CH9	2GB	DS	SAMSUNG	K4B1G0846E	-	-	-	-	-
SAMSUNG	M378B5673FH0-CH9	2GB	DS	SAMSUNG	K4B1G0846F	-	-	-	-	-
SAMSUNG	M378B5273BH1-CH9	4GB	DS	SAMSUNG	K4B2G0846B-HCH9	9	-	-	-	-
SAMSUNG	M378B5273CH0-CH9	4GB	DS	SAMSUNG	K4B2G0846C	K4B2G0846C	-	-	-	-
SAMSUNG	M378B5273DH0-CH9	4GB	DS	Samsung	K4B2G08460	-	-	-	-	-
SAMSUNG	M378B1G73AH0-CH9	8GB	DS	SAMSUNG	K4B4G0846A-HCH9	-	-	-	-	-
Super Talent	W1333UX2G8(XMP)	2GB(2 x 1GB)	SS	-	-	8	1.8	-	-	-
ACTICA	ACT1GHU46B8F1333S	1GB	SS	Samsung	K4B1G0846F	-	-	-	-	-
ACTICA	ACT1GHU72C8G1333S	1GB	SS	Samsung	K4B1G0846F(ECC)	-	-	-	-	-
ACTICA	ACT2GHU46B8G1333M	2GB	DS	Micron	D9KPT	-	-	-	-	-
ACTICA	ACT2GHU46B8G1333S	2GB	DS	Samsung	K4B1G0846F	-	-	-	-	-
ACTICA	ACT2GHU72D8G1333M	2GB	DS	Micron	D9KPT(ECC)	-	-	-	-	-
ACTICA	ACT2GHU72D8G1333S	2GB	DS	Samsung	K4B1G0846F(ECC)	-	-	-	-	-
ACTICA	ACT4GHU46B8H1333H	4GB	DS	Hynix	H5TQ2G83AFR	-	-	-	-	-
ACTICA	ACT4GHU72D8H1333H	4GB	DS	Hynix	H5TQ2G83AFR(ECC)	-	-	-	-	-
BUFFALO	D3U1333-1G	1GB	SS	Elpida	J1108BFBG-DJ-F	-	-	-	-	-
BUFFALO	FSH1333D3G-T3G(XMP)	3GB(3 x 1GB)	SS	-	-	7-7-7-20	-	-	-	-
BUFFALO	D3U1333-2G	2GB	DS	Elpida	J1108BFBG-DJ-F	-	-	-	-	-
BUFFALO	D3U1333-4G	4GB	DS	NANYA	NT5CB256M8BN-CG	-	-	-	-	-
EK Memory	EKM324L28BP8-113	4GB(2 x 2GB)	DS	-	-	9	-	-	-	-
Elixir	M2F2G64CB88B7N-CG	2GB	SS	Elixir	N2CB2G808N-CG	-	-	-	-	-
Elixir	M2F4G64CB88B5N-CG	4GB	DS	Elixir	N2CB2G808N-CG	-	-	-	-	-
GoodRam	GR1333D364L9/2G	2GB	DS	Qimonda	IDSH1G-03A1F1C-13H	-	-	-	-	-
KINGTIGER	F10DA2T1680	2GB	DS	KINGTIGER	KTG1333PS1208NST-C9	-	-	-	-	-
KINGTIGER	KTG2G1333PG3	2GB	DS	-	-	-	-	-	-	-
Patriot	PSD31G13332	1GB	DS	Patriot	PM64M8D3BU-15	-	-	-	-	-
Patriot	PGS34G1333LLKA	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.7	-	-	-
Patriot	PVS34G1333ELK	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.5	-	-	-
Patriot	PVS34G1333LLK	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.7	-	-	-
PQI	N/A	2GB	DS	PQI	PQC32808E15R	-	-	-	-	-
Silicon Power	SP001GBLT1333S01	1GB	SS	NANYA	NT5CB128M8AN-CG	-	-	-	-	-
Silicon Power	SP001GBLTU1333S01	1GB	SS	NANYA	NT5CB128M8AN-CG	-	-	-	-	-
Silicon Power	SP002GBLT1333S01	2GB	DS	NANYA	NT5CB128M8AN-CG	-	-	-	-	-
Silicon Power	SP002GBLTU1333S02	2GB	DS	S-POWER	I0YT3E0	9	-	-	-	-
Team	TXD31024M1333C7(XMP)	1GB	SS	Team	T3D1288L-T13	7-7-7-21	1.75	-	-	-
Team	TXD31048M1333C7-D(XMP)	1GB	SS	Team	T3D1288L-T13	7-7-7-21	1.75	-	-	-
Team	TXD32048M1333C7-D(XMP)	2GB	DS	Team	T3D1288L-T13	7-7-7-21	1.5-1.6	-	-	-
Team	TXD32048M1333C7-D(XMP)	2GB	DS	Team	T3D1288L-T13	7-7-7-21	1.5-1.6	-	-	-
UMAX	E41302GP0-73BDB	2GB	DS	UMAX	U2S24D30TP-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

¹When 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.

²It is recommended to install the memory modules from the **blue** slots for better overclocking capability.

³The 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.