

VANGUARD B85 Memory Qualified Vendors List (QVL)

VANGUARD B85 Motherboard Qualified Vendors Lists (QVL)

Due to chipset limitation, memory modules higher than 1600 MHz will run at 1600MHz frequency for better stability.

DDR3 2666 MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
Apacer	78.BAGFF.AFC0C(XMP)	8GB (2x 4GB)	DS	-	-	12-13-13-35	-	•	•
Apacer	78.BAGFR.AFD0C(XMP)	8GB (2x 4GB)	DS	-	-	12-13-13-35	-	•	•
Apacer	78.CAGFF.AFD0C(XMP)	16GB (2x 8GB)	DS	-	-	12-13-13-35	-	•	•
CORSAIR	CMD16GX3M4A2666C10 (Ver4.13)(XMP)	16GB (4x 4GB)	DS	-	-	10-12-12-31	1.65	•	•
CORSAIR	CMD16GX3M4A2666C11 (Ver5.12)(XMP)	16GB (4x 4GB)	DS	-	-	11-13-13-35	1.65	•	•
G.SKILL	F3-2666C11Q-32GTXD(XMP)	32GB (4x 8GB)	DS	-	-	11-13-13-35	1.65	•	•
G.SKILL	F3-2666CL10Q-16GBZHD(XMP)	16GB (4x 4GB)	DS	-	-	10-12-12-31	1.65	•	•
GEIL	GOC332GB2666C11QC(XMP)	32GB (4x 8GB)	DS	-	-	11-13-13-32	1.65	•	•
Team	TXD38G2666HC11CBK(XMP)	16GB (2x 8GB)	DS	-	-	11-13-13-35	1.65	•	•

4 DIMM Slots

- **2 DIMM**: Supports one pair of modules inserted into either the **beige** slots or the **brown** slots as one pair of Dual-channel memory configuration
- **4 DIMM**: Supports 4 modules inserted into both the **beige** and **brown** 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 XMP 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.

DDR3 2400 MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
A-DATA	AX3U2400GC4G10(XMP)	4GB	DS	-	-	10-12-12-31	1.65	•	•
Apacer	783BAGF3.AFD0C(XMP)	8GB (2x 4GB)	DS	-	-	11-11-11-30	-	•	•
CORSAIR	CMY16GX3M2A2400C10A (Ver4.12)(XMP)	16GB (8x 2GB)	DS	-	-	10-12-12-31	1.65	•	•
CORSAIR	CMY16GX3M2A2400C10R (Ver4.21)(XMP)	16GB (2x 8GB)	DS	-	-	10-12-12-31	1.65	•	•
G.SKILL	F3-2400C11Q-32GXM(XMP)	32GB (4x 8GB)	DS	-	-	11-13-13-31	1.65	•	•
G.SKILL	F3-19200CL9Q-16GBZMD(XMP)	16GB (4x 4GB)	DS	-	-	9-11-11-31	1.65	•	•
GEIL	GOC316GB2400C11QC(XMP)	16GB (4x 4GB)	DS	-	-	11-11-11-30	1.65	•	•
KINGSTON	KHX24C11T3K4/32X(XMP)	32GB (4x 8GB)	DS	-	-	9-9-9-24	1.65	•	•
Patriot	PXD38G2400C11K(XMP)	8GB (2x 4GB)	DS	-	-	2400 11-11-11-30	1.65	•	•
Team	TXD38G2400HC10QBK(XMP)	16GB (2x 8GB)	DS	-	-	10-12-12-31	1.65	•	•

4 DIMM Slots

- **2 DIMM**: Supports one pair of modules inserted into either the **beige** slots or the **brown** slots as one pair of Dual-channel memory configuration
- **4 DIMM**: Supports 4 modules inserted into both the **beige** and **brown** 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 XMP 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.

DDR3 2133 MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
A-DATA	AX3U2133XW8G10(XMP)	8GB	DS	-	-	10-11-11-30	1.65	•	•
Apacer	AHU04GFB33CAQ3R(XMP)	4GB	DS	-	-	11-13-13-31	-	•	•
CORSAIR	CMD32GX3M4A2133C9 (Ver4.21)(XMP)	32GB (4x 8GB)	DS	-	-	9-11-11-31	1.65	•	•
CORSAIR	CMZ8GX3M2A2133C11R (Ver4.21)(XMP)	8GB (2x 4GB)	DS	-	-	11-11-11-27	1.5	•	•
G.SKILL	F3-2133C10Q-32GSR(XMP)	32GB (4x 8GB)	DS	-	-	10-12-12-31	1.5	•	•
G.SKILL	F3-2133C11Q-32GZL(XMP)	32GB (4x 8GB)	DS	-	-	11-11-11-31	1.5	•	•
KINGSTON	KHX2133C11D3K4/16GX(XMP)	16GB (4x 4GB)	DS	-	-	11-12-11-30	1.65	•	•
KINGSTON	KHX21C11T3FK8/64X(XMP)	64GB (8x 8GB)	DS	-	-	9-9-9-24	1.5	•	•
Patriot	PXD38G2133C11K(XMP)	8GB (2x 4GB)	DS	-	-	2133 11-11-11-27	1.5	•	•
Team	TLD38G2133HC11ABK(XMP)	16GB (2x 8GB)	DS	-	-	11-11-11-31	1.65	•	•

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- **4 DIMM**: Supports 4 modules inserted into both the **beige** and **brown** 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 XMP 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.

DDR3 1866 MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
A-DATA	AX3U1866XW8G10(XMP)	16GB (2x 8GB)	DS	-	-	10-11-10-30	1.5	•	•
CORSAIR	CMY16GX3M2A1866C9 (Ver 4.21)(XMP)	16GB (2x 8GB)	DS	-	-	9-10-9-27	1.5	•	•
CORSAIR	CMY8GX3M2A1866C9 (Ver3.24)(XMP)	8GB (2x 4GB)	DS	-	-	9-10-9-27	1.5	•	•
CORSAIR	CMZ8GX3M2A1866C9(XMP)	8GB (2x 4GB)	DS	-	-	9-10-9-27	1.5	•	•
G.SKILL	F3-14900CL10Q-32GBZL(XMP)	32GB (4x 8GB)	DS	-	-	10-11-10-30	1.5	•	•
G.SKILL	F3-14900CL9Q-16GBZL(XMP)	16GB (4x 4GB)	DS	-	-	9-10-9-28	1.5	•	•
KINGSTON	KHX1866C9D3K2/8GX(XMP)	8GB (2x 4GB)	DS	-	-	-	1.65	•	•

Patriot	PXD38G1866ELK(XMP)	8GB (2x 4GB)	DS	-	-	1866 9-10-9-27	1.5	•	•
Team	TED38GM1866C13BK	8GB	DS	Hynix	H5TQ4G83AFR	13-13-13-32	1.5	•	•
Team	TLD38G1866HC10SBK(XMP)	16GB (2x 8GB)	DS	-	-	10-11-10-30	1.5	•	•

4 DIMM Slots

- **2 DIMM** : Supports one pair of modules inserted into either the **beige** slots or the **brown** slots as one pair of Dual-channel memory configuration
- **4 DIMM** : Supports 4 modules inserted into both the **beige** and **brown** 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 XMP 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.

DDR3 1600 MHz capability

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
A-DATA	AD3U1600C2G11	2GB	SS	MICRON	D9PFJ	11-11-11-28	-	•	•
A-DATA	AD3U1600C4G11	4GB	DS	MICRON	D9PFJ	11-11-11-28	-	•	•
A-DATA	AD3U1600W4G11	4GB	SS	A-DATA	3WCD-1211A	11-11-11-28	-	•	•
A-DATA	AD3U1600W8G11	8GB	DS	A-DATA	3WCD-1211A	11-11-11-28	-	•	•
A-DATA	AX3U1600GW8G9(XMP)	16GB (2x 8GB)	DS	-	-	9-9-9-24	1.5	•	•
A-DATA	AX3U1600W8G11	16GB (2x 8GB)	DS	-	-	9-11-9-27	1.5	•	•
A-DATA	AXDU1600GW8G9B(XMP)	16GB (2x 8GB)	DS	-	-	9-11-9-27	1.65	•	•
AMD	AE32G1609U1-U	2GB	SS	AMD	23EY4587MB6H	-	1.5	•	•
AMD	AE34G1609U2-U	4GB	DS	AMD	23EY4587MB6H	-	1.5	•	•
AMD	AP38G1608U2K(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-28	1.65	•	•
Apacer	78.B1GE3.9L10C	4GB	DS	Apacer	AM5D5908DEQSCK	-	1.65	•	•
Apacer	78.B1GET.9K00C	4GB	SS	Apacer	AM5D6008BQQSCK	11-11-11-28	-	•	•
Apacer	78.C1GET.9K10C	8GB	DS	Apacer	AM5D6008BQQSCK	11-11-11-31	-	•	•
Apacer	AHU04GFA60C9Q1D(XMP)	4GB	DS	-	-	9-9-9-27	1.65	•	•
Apacer	AHU04GFA60C9Q3R(XMP)	4GB	DS	-	-	11-11-11-28	-	•	•
Apacer	AHU08GFA60CBT3R(XMP)	8GB	DS	-	-	9-9-9-24	-	•	•
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	SLA302G08-EGN1C	4GB	DS	ASint	302G08-GN1C	-	-	•	•
Asint	SLA304G08-ENG1B	4GB	SS	Asint	304G08-GN1B	9-11-11-28	-	•	•
Asint	SLB304G08-EGJ1B(XMP)	8GB	DS	-	-	9-9-9-27	-	•	•
Asint	SLB304G08-EGN1B	8GB	DS	ASint	304G08-GN1B	-	-	•	•
Asint	SLZ302G08-EGN1C	2GB	SS	ASint	302G08-GN1C	-	-	•	•
AVEXIR	AVD3U16000904G-2CW(XMP)	8GB (2x 4GB)	DS	-	-	11-11-11-28	1.5	•	•
CORSAIR	CMD16GX3M2A1600C9 (Ver8.21)(XMP)	16GB (2x 8GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMD8GX3M2A1600C8 (Ver5.12)(XMP)	8GB (2x 4GB)	DS	-	-	1600 8-8-8-24	1.5	•	•
CORSAIR	CMD8GX3M2A1600C9 (Ver2.12)(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CML16GX3M2A1600C10 (Ver2.21)(XMP)	16GB (2x 8GB)	DS	-	-	10-10-10-27	1.5	•	•
CORSAIR	CML16GX3M4X1600C8(Ver 2.12)(XMP)	16GB (4x 4GB)	DS	-	-	Heat-Sink Package	1.5	•	•
CORSAIR	CML8GX3M2A1600C9 (Ver7.12)(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMV8GX3M1A1600C11	8GB	DS	-	-	11-11-11-30	-	•	•
CORSAIR	CMX8GX3M2A1600C9 (Ver3.19)(XMP)	8GB (2x 4GB)	SS	-	-	9-9-9-24	1.65	•	•
CORSAIR	CMZ16GX3M2A1600C10 (Ver.3.24)(XMP)	16GB (2x 8GB)	DS	-	-	10-10-10-27	1.5	•	•
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	CMZ4GX3M1A1600C9 (Ver8.16)(XMP)	4GB (1x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMZ8GX3M1A1600C10 (Ver3.23)(XMP)	8GB (1x 8GB)	DS	-	-	10-10-10-27	1.5	•	•
CORSAIR	CMZ8GX3M1A1600C10 (Ver8.21)(XMP)	8GB (1x 8GB)	DS	-	-	10-10-10-27	1.5	•	•
CORSAIR	CMZ8GX3M2A1600C8(XMP)	8GB (2x 4GB)	DS	-	-	8-8-8-24	1.5	•	•
CORSAIR	CMZ8GX3M2A1600C9 (Ver8.16)(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMZ8GX3M2A1600C9(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
Crucial	BLT4G3D1608DT1TX0.16FM(XMP)	4GB	DS	-	-	8-8-8-24	1.5	•	•
Elixir	M2X2G64CB88G7N-DG(XMP)	2GB	SS	Elixir	N2CB2G80GN-DG	9-9-9-28	-	•	•
Elixir	M2X4G64CB88G5N-DG(XMP)	4GB	DS	Elixir	N2CB2G80GN-DG	9-9-9-28	-	•	•
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	•	•
G.SKILL	F3-1600C9Q-32GXM(XMP)	32GB (4x 8GB)	DS	-	-	-	1.5	•	•
GEIL	GUP34GB1600C7DC(XMP)	4GB (2x 2GB)	DS	-	-	7-7-7-24	1.6	•	•
GEIL	GVP38GB1600C8QC(XMP)	8GB (4x 2GB)	DS	-	-	8-8-8-28	1.6	•	•
Hynix	HMT351U6CFR8C-PB	4GB	DS	Hynix	H5TQ2G83CFR	-	-	•	•
Hynix	HMT41GU6MFR8C-PB	8GB	DS	Hynix	H5TQ4G83MFR	-	-	•	•
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	KHX16009CD3K2/8GX(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-27	1.65	•	•
KINGSTON	KHX1600C9D3B1/4G(XMP)	4GB	SS	-	-	9-9-9-27	1.65	•	•
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB (3x 4GB)	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	KHX1600C9D3K4/16GX(XMP)	16GB (4x 4GB)	DS	-	-	9-9-9-24	1.65	•	•
KINGSTON	KHX1600C9D3K6/24GX(XMP)	24GB (6x 4GB)	DS	-	-	9	1.65	•	•
KINGSTON	KHX1600C9D3K8/32GX(XMP)	32GB (8x 4GB)	DS	-	-	9-9-9-27	1.65	•	•
KINGSTON	KHX1600C9D3L2/8GX(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.35	•	•
KINGSTON	KHX1600C9D3P1K2/8G	8GB (2x 4GB)	DS	-	-	9	1.5	•	•
KINGSTON	KHX16C10B1K2/16X(XMP)	16GB (2x 8GB)	DS	-	-	-	1.5	•	•
KINGSTON	KHX16C9K2/16	16GB (2x 8GB)	DS	-	-	1333-9-9-9-24	1.5	•	•
KINGSTON	KHX16C9P1K2/16	16GB (2x 8GB)	DS	-	-	-	1.5	•	•
KINGSTON	KVR16N11/4	4GB	DS	KINGSTON	D2568JPUCPGGBU	11-11-11-28-1	-	•	•
KINGSTON	KVR16N11/4	4G	DS	Hynix	H5TQ2G83CFRPMC	-	1.5	•	•
MICRON	MT16JTF1G64AZ-1G6D1	8GB	DS	MICRON	D9PBC	-	1.5	•	•
Micron	MT16JTF1G64AZ-1G6E1	8GB	DS	Micron	D9QBJ	-	-	•	•
MICRON	MT16KTF51264AZ-1G6M1	4GB	DS	MICRON	D9PFJ	11-11-11-28	-	•	•
MICRON	MT16KTF51264AZ-1G6M1	4GB	DS	MICRON	D9PFJ	-	-	•	•

Micron	MT8JTF51264AZ-1G6E1	4GB	SS	Micron	D9QBJ	-	-	•	•
MICRON	MT8KTF25664AZ-1G6M1	2GB	SS	MICRON	D9PFJ	-	-	•	•
Patriot	PGD316G1600ELK(XMP)	16GB (2x 8GB)	DS	-	-	-	1.65	•	•
Patriot	PGD316G1600ELK(XMP)	16GB (2x 8GB)	DS	-	-	9-9-9-24	1.5	•	•
Patriot	PGD38G1600ELK(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.65	•	•
Patriot	PGD38G1600ELK(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
Patriot	PV316G160C9QKRD(XMP)	16GB (4x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
Patriot	PV38G160C9KRD(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
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	•	•
Patriot	PX7312G1600LLK(XMP)	12GB (3x 4GB)	DS	-	-	8-9-8-24	1.65	•	•
Patriot	PXD38G1600LLK(XMP)	8GB (2x 4GB)	DS	-	-	1600 8-9-8-24	1.65	•	•
PSC	AL9F8L93B-GN2E	4GB	SS	PSC	A3P4GF3BLF	-	-	•	•
PSC	ALAF8L93B-GN2E	8GB	DS	PSC	A3P4GF3BLF	-	-	•	•
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	TED34GM1600C11BK	4GB	DS	Hynix	H5TC2G83EFR	11-11-11-28	1.5	•	•
Team	TED38G1600HC11BK	8GB	DS	-	-	11-11-11-28	-	•	•
Team	TED38GM1600C11BK	8GB	DS	Hynix	H5TQ4G83AFR	11-11-11-28	1.5	•	•
Team	TLD34G1600HC9BK(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
Team	TLD38G1600HC9BK(XMP)	16GB (2x 8GB)	DS	-	-	9-9-9-24	1.5	•	•
Team	TXD34096M1600HC9-D(XMP)	4GB	DS	Hynix	H5TC2G83BFRH9A	9-9-9-24	1.5	•	•
Transcend	JM1600KLH-9G(626633)	8GB	DS	Transcend	TK963EBF3	-	-	•	•
Transcend	TS1GLK64V6H(620945)	8GB	DS	SAMSUNG	K4B4G0846B	-	-	•	•
Transcend	TS1GLK64W6H	8GB	DS	SAMSUNG	K4B4G0846B	11-11-11-28-1	-	•	•
Transcend	TS512MLK64W6H	4GB	SS	SAMSUNG	K4B4G0846B	11-11-11-28-2	-	•	•

- 4 DIMM Slots
- **2 DIMM**: Supports one pair of modules inserted into either the **beige** slots or the **brown** slots as one pair of Dual-channel memory configuration
 - **4 DIMM**: Supports 4 modules inserted into both the **beige** and **brown** 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 XMP 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.

DDR3 1333 MHz capability									
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
AMD	AE32G1339U1-U	2GB	SS	AMD	23EY4587MB3H	-	1.5	•	•
AMD	AE34G1339U2-U	4GB	DS	AMD	23EY4587MB3H	-	1.5	•	•
Apacer	78.B1GDE.9L10C	4GB	DS	Apacer	AM5D508CCEHSBG	9	-	•	•
Asint	SLA302G08-EDJ1C	2GB	SS	ASint	302G08-DJ1C	-	-	•	•
Asint	SLA304G08-EDJ1B	4GB	SS	Asint	304G08-DJ1B	9-10-10-26	-	•	•
Asint	SLB304G08-EDJ1B	8GB	DS	Asint	304G08-DJ1B	9-9-9-24	-	•	•
Asint	SLZ302G08-EDJ1C	4GB	DS	ASint	302G08-DJ1C	-	-	•	•
BUFFALO	D3U1333-1G	1GB	SS	Elpida	J1108BFBG-DJ-F	-	-	•	•
BUFFALO	D3U1333-2G	2GB	DS	Elpida	J1108BFBG-DJ-F	-	-	•	•
BUFFALO	D3U1333-4G	4GB	DS	NANYA	NT5CB256M8BN-CG	-	-	•	•
CORSAIR	CMV8GX3M1A1333C9	8GB	DS	-	-	9-9-9-24	-	•	•
CORSAIR	CMV8GX3M2A1333C9	8GB (2x 4GB)	DS	-	N/A	9-9-9-24	-	•	•
CORSAIR	CMX16GX3M2A1333C9 (Ver3.24)	16GB (2x 8GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMX4GX3M1A1333C9 (Ver2.12)	4GB (1x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMX4GX3M1A1333C9 (Ver5.11)	4GB (1x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMX8GX3M1A1333C9 (Ver2.2)	8GB	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMX8GX3M2A1333C9(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
Elixir	M2F2G64CB88G7N-CG	2GB	SS	Elxir	N2CB2G80GN-CG	-	-	•	•
ELPIDA	EBJ41UF8BCF0-DJ-F	4GB	DS	ELPIDA	J2108BCSE-DJ-F	-	-	•	•
G.SKILL	F3-10666CL9D-8GBXL	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
GEIL	GG34GB1333C9DC	4GB (2x 2GB)	DS	GEIL	GL1L128M88BA15B	9-9-9-24	1.3	•	•
GEIL	GVP34GB1333C9DC	4GB (2x 2GB)	DS	-	-	9-9-9-24	1.5	•	•
GEIL	GVP38GB1333C7QC	8GB (4x 2GB)	DS	-	-	7-7-7-24	1.5	•	•
GEIL	GVP38GB1333C9DC	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.5	•	•
INNODISK	M3UN-2GHJB09	2GB	SS	Hynix	H5TQ2G83CFRH9C	9-9-9-24	-	•	•
INNODISK	M3UN-4GHJAC09	4GB	DS	Hynix	H5TQ2G83CFRH9C	9-9-9-24	-	•	•
KINGMAX	FLFE85F-C8KL9	2GB	SS	KINGMAX	KFC8FNLBF-GXX-12A	-	-	•	•
KINGMAX	FLFE85F-C8KL9	2GB	SS	KINGMAX	KFC8FNLXF-DXX-15A	-	-	•	•
KINGMAX	FLFF65F-C8KL9	4GB	DS	KINGMAX	KFC8FNLBF-GXX-12A	-	-	•	•
KINGMAX	FLFF65F-C8KL9	4GB	DS	KINGMAX	KFC8FNLXF-DXX-15A	-	-	•	•
KINGSTON	KVR1333D3E9S/4G	4GB	DS	Elpida	J2108ECSE-DJ-F	9	1.5	•	•
KINGSTON	KVR1333D3N9H/4G	4GB	DS	ELPIDA	J2108BDBG-GN-F	-	1.5	•	•
KINGSTON	KVR1333D3N9H/8G	8GB	DS	ELPIDA	J4208EASE-DJ-F	9-9-9-24	1.5	•	•
KINGSTON	KVR13N9S8H/4	4GB	SS	ELPIDA	J4208BBBG-GN-F	-	1.5	•	•
Mach Xtreme	MXD3U133316GQ	16GB (4x 4GB)	DS	-	-	-	-	•	•
Mach Xtreme	MXD3V13332GS	2GB	SS	Mach Xtreme	C2S46D30-D313	-	-	•	•
MICRON	MT16JTF1G64AZ-1G4D1	8GB	DS	MICRON	D9PCP	-	-	•	•
MICRON	MT8JTF25664AZ-1G4M1	2GB	SS	MICRON	D9PFJ	-	-	•	•
Patriot	PG38G1333EL(XMP)	8GB	DS	-	-	-	1.5	•	•
Patriot	PGD316G1333ELK(XMP)	16GB (2x 8GB)	DS	-	-	9-9-9-24	1.5	•	•
RiDATA	C304627CB1AG22Fe	2GB	DS	RiDATA	C304627CB1AG22Fe	9	-	•	•
RiDATA	E304459CB1AG32Cf	4GB	DS	RiDATA	E304459CB1AG32Cf	9	-	•	•
Silicon Power	SP001GBLTU133S02	1GB	SS	S-POWER	10YT3E5	9	-	•	•
Silicon Power	SP002GBLTU133V02	2GB	SS	S-POWER	20YT3NG	9-9-9-24	-	•	•
Silicon Power	SP004GBLTU133V02	4GB	DS	S-POWER	20YT3NG	9-9-9-24	-	•	•
Team	TED34096M1333HC9	4GB	DS	Team	T3D2568LT-13	-	-	•	•
Team	TED34GM1333C9BK	4GB	DS	Hynix	H5TQ2GB83CFR	9-9-9-24	1.5	•	•
Team	TED38G1333HC9BK	8GB	DS	-	-	9-9-9-24	-	•	•

Team	TED38GM1333C9BK	8GB	DS	Hynix	H5TQ4G83AFR	9-9-9-24	1.5	•	•
Transcend	JM1333KLH-8G(623654)	8GB	DS	Transcend	TK963EBF3	-	-	•	•
Transcend	TS1GLK64V3H(620053)	8GB	DS	MICRON	D9QBJ	-	-	•	•

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