

**P8Z77-M PRO**

**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
A-DATA	AD631B0823EV	2GB	SS	A-DATA	3CCA-1509A	-	-	•	•	•
A-DATA	AM2U139C2P1	2GB	SS	A-DATA	3CCD-1509A	-	-	•	•	•
A-DATA	AXDU1333GC2G9(XMP)	2GB	SS	-	-	9-9-9-24	1.25-1.35	•	•	•
A-DATA	AD631C1624EV	4GB	DS	A-DATA	3CCA-1509A	-	-	•	•	•
A-DATA	AM2U139C4P2	4GB	DS	A-DATA	3CCD-1509A	-	-	•	•	•
A-DATA	SU3U1333W8G9(XMP)	8GB	DS	ELPIDA	J4208BASE-DJ-F	-	-	•	•	•
Apacer	78.01GC6.9L0	1GB	SS	Apacer	AM5D5808DEJSBG	9	-	•	•	•
Apacer	78.A1GC6.9L1	2GB	DS	Apacer	AM5D5808DEWSBG	9	-	•	•	•
Apacer	78.A1GC6.9L1	2GB	DS	Apacer	AM5D5808FEQSBG	9	-	•	•	•
Apacer	78.B1GDE.9L10C	4GB	DS	Apacer	AM5D5908CEHSBG	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	•	•	•
Crucial	BL25664BN1337.16FF(XMP)	2GB	DS	-	-	7-7-7-24	1.65	•	•	•
ELPIDA	EBJ41UF8BCFO-DJ-F	4GB	DS	ELPIDA	J2108BCSE-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-4GBRH(XMP)	4GB(2x 2GB)	DS	-	-	7-7-7-21	1.5	•	•	•
G.SKILL	F3-10666CL8D-4GBECO(XMP)	4GB(2x 2GB)	DS	-	-	8-8-8-24	1.35	•	•	•
G.SKILL	F3-10666CL7D-8GBRH(XMP)	8GB ( 2x 4GB )	DS	-	-	7-7-7-21	1.5	•	•	•
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	•	•	•
G.SKILL	F3-10666CL9D-8GBXL	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	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	GB34GB1333C7DC	4GB(2x 2GB)	DS	GEIL	GL1L128M88BA15FW	7-7-7-24	1.5	•	•	•
GEIL	GG34GB1333C9DC	4GB(2x 2GB)	DS	GEIL	GL1L128M88BA12N	9-9-9-24	1.3	•	•	•
GEIL	GVP38GB1333C9DC	8GB ( 2x 4GB )	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	-	-	•	•	•
KINGMAX	FLFD45F-B8KL9	1GB	SS	KINGMAX	KFB8FNLXF-BNF-15A	-	-	•	•	•
KINGMAX	FLFE85F-C8KL9	2GB	SS	KINGMAX	KFC8FNLXF-DXX-15A	-	-	•	•	•
KINGMAX	FLFE85F-C8KM9	2GB	SS	Kingmax	KFC8FNLXF-BXX-15A	-	-	•	•	•
KINGMAX	FLFE85F-B8KL9	2GB	DS	KINGMAX	KFB8FNLXL-BNF-15A	-	-	•	•	•
KINGMAX	FLFF65F-C8KL9	4GB	DS	KINGMAX	KFC8FNLXF-DXX-15A	-	-	•	•	•
KINGMAX	FLFF65F-C8KM9	4GB	DS	Kingmax	KFC8FNLXF-BXX-15A	-	-	•	•	•
KINGSTON	KVR1333D3N9/1G	1GB	SS	Elpida	J1108BDBSE-DJ-F	9	1.5	•	•	•
KINGSTON	KVR1333D3S8N9/2G	2GB	SS	Micron	IFD77 D9LGK	-	1.5	•	•	•
KINGSTON	KVR1333D3N9/2G(移动版)	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	D1288JEMFPGD9U	-	1.5	•	•	•
KINGSTON	KVR1333D3E9S/4G	4GB	DS	Elpida	J2108ECSE-DJ-F	9	1.5	•	•	•
MICRON	MT4JTF12864AZ-1G4D1	1GB	SS	Micron	D9LGK	-	-	•	•	•
MICRON	MT8JTF25664AZ-1G4D1	2GB	SS	Micron	D9LGK	-	-	•	•	•
MICRON	MT8JTF25664AZ-1G4D1	2GB	SS	MICRON	D9PFJ	-	-	•	•	•
MICRON	MT16JTF51264AZ-1G4D1	4GB	DS	Micron	D9LGK	-	-	•	•	•
MICRON	MT16JTF51264AZ-1G4M1	4GB	DS	Micron	IGM22 D9PFJ	-	-	•	•	•
OCZ	OCZ3P1333LV3GK	3GB(3x 1GB)	SS	-	-	7-7-7	1.65	•	•	•
OCZ	OCZ3G1333LV4GK	4GB ( 2x 2GB )	DS	-	-	9-9-9	1.65	•	•	•
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	PC310600U-9-10-A0	1GB	SS	PSC	A3P1GF3FGF	-	-	•	•	•
PSC	PC310600U-9-10-B0	2GB	DS	PSC	A3P1GF3FGF	-	-	•	•	•
SAMSUNG	M378B273EH1-CH9	1GB	SS	SAMSUNG	K4B1G0846E	-	-	•	•	•
SAMSUNG	M378B273FHS-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	-	-	•	•	•
Transcend	JM1333KLN-2G (582670)	2GB	SS	Micron	ICD77 D9LGK	-	-	•	•	•
Transcend	JM1333KLN-2G	2GB	SS	Transcend	TK483PCW3	-	-	•	•	•
Transcend	TS256MLK64V3N ( 585541 )	2GB	SS	Micron	ICD77 D9LGK	9	-	•	•	•
Transcend	TS256MLK64V3N (566577)	2GB	SS	Hynix	H5TQ2G83BFR	9	-	•	•	•
Transcend	TS256MLK64V3N (574206)	2GB	SS	Micron	D9LGK	9	-	•	•	•
Transcend	JM1333KLN-4G ( 583782 )	4GB	DS	Transcend	TK483PCW3	9	-	•	•	•
Transcend	JM1333KLN-4G	4GB	DS	Transcend	TK483PCW3	-	-	•	•	•
Transcend	TS512MLK64V3N ( 585538 )	4GB	DS	Micron	IED27 D9LGK	9	-	•	•	•
Transcend	TS512MLK64V3N (574831)	4GB	DS	Micron	D9LGK	9	-	•	•	•
ACTICA	ACT1GHU64B8F1333S	1GB	SS	SAMSUNG	K4B1G0846F	-	-	•	•	•
ACTICA	ACT1GHU72C8G1333S	1GB	SS	SAMSUNG	K4B1G0846F(ECC)	-	-	•	•	•
ACTICA	ACT2GHU64B8G1333M	2GB	DS	Micron	D9KPT	-	-	•	•	•
ACTICA	ACT2GHU64B8G1333S	2GB	DS	SAMSUNG	K4B1G0846F	-	-	•	•	•
ACTICA	ACT2GHU72D8G1333M	2GB	DS	Micron	D9KPT(ECC)	-	-	•	•	•
ACTICA	ACT2GHU72D8G1333S	2GB	DS	SAMSUNG	K4B1G0846F(ECC)	-	-	•	•	•
ACTICA	ACT4GHU64B8H1333H	4GB	DS	Hynix	H5TQ2G83AFR	-	-	•	•	•
ACTICA	ACT4GHU72D8H1333H	4GB	DS	Hynix	H5TQ2G83AFR(ECC)	-	-	•	•	•
ATP	AQ56M72E8BJH9S	2GB	DS	SAMSUNG	K4B1G0846F(ECC)	-	-	•	•	•
ATP	AQ12M72E8BKH9S	4GB	DS	SAMSUNG	K4B2G0846C(ECC)	-	-	•	•	•
BUFFALO	D3U1333-1G	1GB	SS	Elpida	J1108BFBG-DJ-F	-	-	•	•	•
BUFFALO	D3U1333-2G	2GB	DS	Elpida	J1108BFBG-DJ-F	-	-	•	•	•

<b>BUFFALO</b>	D3U1333-4G	4GB	DS	NANYA	NT5CB256M8BN-CG	-	-	•	•	•
<b>EK Memory</b>	EKM324L28BP8-113	4GB(2 x 2GB)	DS	-	-	9	-	•	•	•
<b>Elixir</b>	M2F2G64CB88B7N-CG	2GB	SS	Elixir	N2CB2G808N-CG	-	-	•	•	•
<b>Elixir</b>	M2F2G64CB88D7N-CG	2GB	SS	Elixir	M2CB2G8BDN-CG	-	-	•	•	•
<b>Elixir</b>	M2F2G64CB88G7N-CG	2GB	SS	Elixir	N2CB2G80GN-CG	-	-	•	•	•
<b>Elixir</b>	M2F4G64CB88B5N-CG	4GB	DS	Elixir	N2CB2G808N-CG	-	-	•	•	•
<b>Elixir</b>	M2F4G64CB88D5N-CG	4GB	DS	Elixir	M2CB2G8BDN-CG	-	-	•	•	•
<b>GoodRam</b>	GR1333D364L9/2G	2GB	DS	Qimonda	IDSH1G-03A1F1C-13H	-	-	•	•	•
<b>KINGTIGER</b>	F10DA2T1680	2GB	DS	KINGTIGER	KTG1333PS1208NST-C9	-	-	•	•	•
<b>KINGTIGER</b>	KTG2G1333PG3	2GB	DS	-	-	-	-	•	•	•
<b>Patriot</b>	PSD32G13332	2GB	DS	Prtriot	PM128M8D3BU-15	9	-	•	•	•
<b>Patriot</b>	PGS34G1333LLKA	4GB(2 x 2GB)	DS	-	-	7-7-7-20	1.7	•	•	•
<b>Patriot</b>	PG38G1333EL(XMP)	8GB	DS	-	-	-	1.5	•	•	•
<b>RiDATA</b>	C304627CB1AG22Fe	2GB	DS	RiDATA	C304627CB1AG22Fe	9	-	•	•	•
<b>RiDATA</b>	E304459CB1AG32Cf	4GB	DS	RiDATA	E304459CB1AG32Cf	9	-	•	•	•
<b>SanMax</b>	SMD4G68H1P-13HZ	4GB	DS	Hynix	H5TQ2G83BFRH9C	-	1.5	•	•	•
<b>Silicon Power</b>	SP001GBLTE133S01	1GB	SS	NANYA	NT5CB128M8AN-CG	-	-	•	•	•
<b>Silicon Power</b>	SP001GBLTU1333S01	1GB	SS	NANYA	NT5CB128M8AN-CG	-	-	•	•	•
<b>Silicon Power</b>	SP001GBLTU133S02	1GB	SS	S-POWER	10YT3E5	9	-	•	•	•
<b>Silicon Power</b>	SP002GBLTE133S01	2GB	DS	NANYA	NT5CB128M8AN-CG	-	-	•	•	•
<b>Silicon Power</b>	SP002GBLTU133S02	2GB	DS	S-POWER	I0YT3E0	9	-	•	•	•
<b>Team</b>	TXD31024M1333C7(XMP)	1GB	SS	Team	T3D1288LT-13	7-7-7-21	1.75	•	•	•
<b>Team</b>	TXD31048M1333C7-D(XMP)	1GB	SS	Team	T3D1288LT-13	7-7-7-21	1.75	•	•	•
<b>Team</b>	TXD32048M1333C7-D(XMP)	2GB	DS	Team	T3D1288LT-13	7-7-7-21	1.5-1.6	•	•	•

#### 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 **Blue** 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.

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Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
A-DATA	AM2U16BC2P1	2GB	SS	A-DATA	3CCD-1509A	-	-	•	•	•
A-DATA	AM2U16BC4P2	4GB	DS	A-DATA	3CCD-1509A	-	-	•	•	•
A-DATA	AX3U1600G4G9(XMP)	4GB	DS	-	-	-	1.55-1.75	•	•	•
A-DATA	AX3U1600PC4G8(XMP)	4GB	DS	-	-	8-8-8-24	1.55-1.75	•	•	•
A-DATA	AX3U1600XC4G79(XMP)	4GB	DS	-	-	7-9-7-21	1.65	•	•	•
CORSAIR	CMZ8GX3M4X1600C9(Ver 2.12)(XMP)	8GB (4x 2GB)	SS	-	-	9-9-9-24	1.5	•	•	•
CORSAIR	HX3X12G1600C9(XMP)	12GB (6x 2GB)	DS	-	-	9-9-9-24	1.6	•	•	•
CORSAIR	CML16GX3M4X1600C8(Ver 2.12)(XMP)	16GB (4x 4GB)	DS	-	-	Heat-Sink Package	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	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	CMX6GX3M3A1600C9(XMP)	6GB (3x 2GB)	DS	-	-	9-9-9-24	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)	4GB (2x 2GB)	DS	-	-	8-8-8-24	1.65	•	•	•
Crucial	BLT4G3D1608DT1TX0.16FM(XMP)	4GB	DS	-	-	8-8-8-24	1.5	•	•	•
CENTURY	CD4G-D3U1600	4GB	DS	Hynix	H5TQ2G83CFR-PBC	(11-11-11-28)	1.5	•	•	•
CENTURY	CD8G-D3U1600	8GB	DS	Hynix	H5TQ4G83MFR-PBC	(11-11-11-28)	1.5	•	•	•
CENTURY	CD4G-D3U1600	4GB	DS	ELPIDA	EDJ2108BDBG-GN-F	(11-11-11-28)	1.5	•	•	•
CENTURY	CD8G-D3U1600	8GB	DS	ELPIDA	EDJ4208BBBG-GN-F	(11-11-11-28)	1.5	•	•	•
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	F3-12800CL9Q-16GBZL(XMP)	16GB (4x 4GB)	DS	-	-	9-9-9-24	1.5	•	•	•
G.SKILL	F3-12800CL9D-4GBN(XMP)	4GB (2x 2GB)	DS	-	-	9-9-9-24	1.5	•	•	•
G.SKILL	F3-12800CL7D-8GBRH(XMP)	8GB (2x 4GB)	DS	-	-	7-8-7-24	1.6	•	•	•
G.SKILL	F3-12800CL7D-8GBXH(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	•	•	•
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	•	•	•
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	KHX1600C9D3K3/12GX(XMP)	12GB (3x 4GB)	DS	-	-	9	1.65	•	•	•
KINGSTON	KHX1600C9D3T1BK3/12GX(XMP)	12GB (3x 4GB)	DS	-	-	9	1.65	•	•	•
KINGSTON	KHX1600C9D3K3/12GX(XMP)	12GB(3x 4GB)	DS	-	-	-	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	KHX1600C9D3K2/4GX(XMP)	4GB (2x 2GB)	DS	-	-	-	1.65	•	•	•
KINGSTON	KHX1600C9D3L2/4GX(XMP)	4GB (2x 2GB)	DS	-	-	-	1.35	•	•	•
KINGSTON	KHX1600C9D3X2K2/4GX(XMP)	4GB (2x 2GB)	DS	-	-	9	1.65	•	•	•
Kingston	KVR16N11/4	4G	DS	Hynix	H5TQ2G83CFR-PBC	-	1.5	•	•	•
KINGSTON	KHX1600C9D3K3/6GX(XMP)	6GB (3x 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	-	-	9	1.65	•	•	•
Kingston	KHX1600C9D3L2K2/8GX(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-24	1.35	•	•	•
KINGSTON	KHX1600C9D3P1K2/8G	8GB (2x 4GB)	DS	-	-	9	1.5	•	•	•
MICRON	MT16KTF51264AZ-1G6M1	4GB	DS	MICRON	D9PFJ	-	-	•	•	•
OCZ	OC23BE1600C8LV4GK	4GB (2x 2GB)	DS	-	-	8-8-8	1.65	•	•	•
AMD	AE32G1609U1-U	2GB	SS	AMD	23EY4587MB6H	-	1.5	•	•	•
AMD	AE34G1609U2-U	4GB	SS	AMD	23EY4587MB6H	-	1.5	•	•	•
AMD	AP38G1608U2K(XMP)	8GB (2x 4GB)	DS	-	-	9-9-9-28	1.65	•	•	•
Asint	SLZ302G08-EGN1C	2GB	SS	ASint	302G08-GN1C	-	-	•	•	•
Asint	SLZ3128M8-EGJ1D(XMP)	2GB	DS	Asint	3128M8-GJ1D	-	-	•	•	•
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	SLB304G08-EGN1B	8GB	DS	ASint	304G08-GN1B	-	-	•	•	•
EK Memory	EKM324L28BP8-116(XMP)	4GB (2x 2GB)	DS	-	-	9	-	•	•	•
EK Memory	EKM324L28BP8-116(XMP)	4GB(2 x 2GB)	DS	-	-	9	-	•	•	•
Elixir	M2X4G64CB8HG5N-DG(XMP)	4GB	DS	Elixir	N2CB2G80GN-DG	9-9-9-28	-	•	•	•
Elixir	M2X8G64CB8HB5N-DG(XMP)	8GB	DS	Elixir	N2CB4G80BN-DG	9-9-9-28	1.5	•	•	•
GoodRam	GR1600D364L9/2G	2GB	DS	GoodRam	GF1008KC-JN	-	-	•	•	•
KINGTIGER	KTG2G1600PG3(XMP)	2GB	DS	-	-	-	-	•	•	•
Mushkin	998805(XMP)	4GB (2x 2GB)	DS	-	-	6-8-6-24	1.65	•	•	•
Mushkin	998805(XMP)	6GB (3x 2GB)	DS	-	-	6-8-6-24	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	PGS34G1600LLKA	4GB (2x 2GB)	DS	-	-	7-7-7-20	1.7	•	•	•
Patriot	PGS34G1600LLKA2	4GB (2x 2GB)	DS	-	-	8-8-8-24	1.7	•	•	•
Patriot	PVV38G1600LLK(XMP)	8GB (2x 4GB)	DS	-	-	8-8-8-24	1.65	•	•	•
Patriot	PX7312G1600LLK(XMP)	12GB (3x 4GB)	DS	-	-	8-8-8-24	1.65	•	•	•
Patriot	PXD38G1600LLK(XMP)	8GB (2x 4GB)	DS	-	-	1600 8-9-8-24	1.65	•	•	•
SanMax	SMD-4G68HP-16KZ	4GB	DS	Hynix	H5TQ2G83BFR-PBC	-	1.5	•	•	•
SanMax	SMD-4G68NG-16KK	4GB	DS	ELPIDA	J2108BDBG-GN-F	-	-	•	•	•
Team	TXD31024M1600C8-D(XMP)	1GB	SS	Team	T3D1288RT-16	8-8-8-24	1.65	•	•	•
Team	TXD32048M1600C7-L(XMP)	2GB	DS	Team	T3D1288LT-16	7-7-7-24	1.65	•	•	•
Team	TXD32048M1600C8-D(XMP)	2GB	DS	Team	T3D1288RT-16	8-8-8-24	1.65	•	•	•
Team	TED34096M1600HC11	4GB	DS	Team	T3D2568ET-16	-	-	•	•	•
Team	TXD34096M1600HC9-D(XMP)	4GB	DS	Hynix	H5TC2G83BFRH9A	9-9-9-24	1.5	•	•	•

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.
- 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.

## P8Z77-M PRO

### DDR3 1800 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
G.SKILL	F3-14400CL9D-4GBRL(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.6	•	•	•

#### 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 **Blue** 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.

## P8Z77-M PRO

### 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	4 DIMM
<b>A-DATA</b>	AX3U1866GC2G9B(XMP)	2GB	SS	-	-	9-11-9-27	1.55~1.75	•	•	•
<b>A-DATA</b>	AX3U1866GC4G9B(XMP)	4GB	DS	-	-	9-11-9-27	1.55~1.75	•	•	•
<b>CORSAIR</b>	CMT32GX3M4X1866C9(Ver3.23)(XMP)	32GB ( 4x 8GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMT32GX3M4X1866C9(XMP)	32GB ( 4x 8GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMZ8GX3M2A1866C9(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>CORSAIR</b>	CMZ8GX3M2A1866C9G (Ver5.12)(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9Q-16GBXL(XMP)	16GB ( 4x 4GB )	DS	-	-	9-10-9-28	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9D-8GBSR(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-28	1.5	•	•	•
<b>G.SKILL</b>	F3-14900CL9Q-8GBFLD(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.6	•	•	•
<b>KINGSTON</b>	KHX1866C9D3K2/8GX	8GB ( 2x 4GB )	SS	-	-	9-11-9-27	1.65	•	•	•
<b>Patriot</b>	PXD34G1866ELK(XMP)	4GB ( 2x 2GB )	SS	-	-	9-9-9-24	1.65	•	•	•
<b>Patriot</b>	PXD38G1866ELK(XMP)	8GB ( 2x 4GB )	DS	-	-	9-11-9-27	1.65	•	•	•
<b>Patriot</b>	PXD38G1866ELK(XMP)	8GB ( 2x 4GB )	DS	-	-	9-10-9-27	1.5	•	•	•
<b>Team</b>	TXD34096M1866HC9K-L(XMP)	4GB	DS	Hynix	H5TC2G83BFRH9A	9-11-9-27	1.65	•	•	•

#### 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.

-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.

## P8Z77-M PRO

### 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	4 DIMM
A-DATA	AX3U2000GB2G9B(XMP)	2GB	DS	-	-	9-11-9-27	1.55-1.75	•	•	•
A-DATA	AX3U2000GC4G9B(XMP)	4GB	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-4GBRH(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	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	AXA3ES4GK2000LG28V(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65	•	•	•
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	•	•	•
Silicon Power	SP002GBLYU200S02(XMP)	2GB	DS	-	-	-	-	•	•	•
Team	TXD32048M2000C9(XMP)	2GB	DS	Team	T3D1288RT-20	9-9-9-24	1.5	•	•	•
Team	TXD32048M2000C9-L(XMP)	2GB	DS	Team	T3D1288LT-20	9-9-9-24	1.5	•	•	•
Team	TXD32048M2000C9-L(XMP)	2GB	DS	Team	T3D1288RT-20	9-9-9-24	1.6	•	•	•

#### 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 **Blue** 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.

## P8Z77-M PRO

### 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	4 DIMM
A-DATA	8154A 1044(XMP)	2GB	SS	-	-	9-9-9-24	1.55-1.75	•	•	•
A-DATA	AX3U2133C2G9B(XMP)	2GB	SS	-	-	9-11-9-27	1.55-1.75	•	•	•
A-DATA	AX3U2133C2G9B(XMP)	2GB	SS	-	-	9-9-9-24	1.55-1.75	•	•	•
A-DATA	AX3U2133GC4G9B(XMP)	8GB ( 4x 2GB )	DS	-	-	9-11-9-27	1.65	•	•	•
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	F3-17000CL9Q-16GBZH(XMP)	16GB ( 4x 4GB )	DS	-	-	9-11-10-28	1.65	•	•	•
G.SKILL	F3-17066CL9Q-16GBTDD(XMP)	16GB ( 4x 4GB )	DS	-	-	9-9-9-24	1.65	•	•	•
G.SKILL	F3-17066CL9D-8GBPID(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.65	•	•	•
Kingston	KHX2133C11D3K4/16GX(XMP)	16GB ( 4x 4GB )	DS	-	-	11-12-11-30	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	•	•	•
KINGSTON	KHX2133C11D3T1K2/16GX	16GB ( 2x 8GB )	DS	-	-	11-12-11-30	1.6	•	•	•
OCZ	OCZ3XTEP2133C9LV4GK	2GB	DS	-	-	7-7-7-20	1.65	•	•	•
Patriot	PVV34G2133C9K(XMP)	4GB ( 2x 2GB )	DS	-	-	9-11-9-27	1.66	•	•	•
Patriot	PXD38G2133C11K(XMP)	8GB ( 2x 4GB )	DS	-	-	9-9-9-24	1.65	•	•	•

#### 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.

-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.



## P8Z77-M PRO

### 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	4 DIMM
<b>G.SKILL</b>	F3-17600CL7D-4GBFLS(XMP)	4G ( 2x 2G )	DS	-	-	7-10-10-28	1.65	•	•	
<b>GEIL</b>	GET34GB2200C9DC(XMP)	4GB ( 2x 2GB )	DS	-	-	9-10-9-28	1.65	•	•	•
<b>GEIL</b>	GET38GB2200C9ADC(XMP)	8GB ( 2x 4GB )	DS	-	-	9-11-9-28	1.65	•	•	•
<b>KINGMAX</b>	FLKE85F-B8KJAA-FEIS(XMP)	4GB ( 2x 2GB )	DS	Kingmax	N/A	-	-	•	•	

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 **Blue** 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.

## P8Z77-M PRO

### 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	4 DIMM
A-DATA	AX3U2400GC4G10(XMP)	4GB	DS	-	-	10-11-11-30	1.65	•	•	•
CORSAIR	CMGTX8(XMP)	8GB ( 4x 2GB )	SS	-	-	10-12-10-30	1.65	•	•	•
CORSAIR	CMGTX3(XMP)	2GB	DS	-	-	9-11-9-27	1.65	•	•	•
CORSAIR	CMZ16GX3M4A2400C9R (Ver4.13)(XMP)	16GB ( 4x 4GB )	DS	-	-	9-11-11-31	1.65	•	•	•
G.SKILL	F3-19200CL11Q-16GBZHD(XMP)	16GB ( 4x 4GB )	DS	-	-	11-11-11-31	1.65	•	•	•
G.SKILL	F3-19200CL11Q-16GBZHD(XMP)	16GB ( 4x 4GB )	DS	-	-	11-11-11-31	1.65	•	•	•
G.SKILL	F3-19200CL9D-4GBPIS(XMP)	4G ( 2x 2G )	DS	-	-	9-11-9-28	1.65	•	•	•
G.SKILL	F3-19200CL10Q-32GBZHD(XMP)	32GB ( 4x 8GB )	DS	-	-	10-12-12-31	1.65	•	•	•
GEIL	GOC316GB2400C10QC(XMP)	16GB ( 4x 4GB )	DS	-	-	10-11-11-30	1.65	•	•	•
GEIL	GOC316GB2400C11QC(XMP)	16GB ( 4x 4GB )	DS	-	-	11-11-11-30	1.65	•	•	•
GEIL	GET34GB2400C9DC(XMP)	4GB ( 2x 2GB )	DS	-	-	9-11-9-27	1.65	•	•	•
Kingston	KHX2400C11D3K4/8GX(XMP)	8GB ( 4x 2GB )	SS	-	-	11-13-11-30	1.65	•	•	•
KINGSTON	KHX24C11K4/16X	16GB ( 4x 4GB )	DS	-	-	11-13-13-30	1.65	•	•	•
Transcend	TX2400KLU-4GK (381850)(XMP)	2GB	DS	-	-	-	1.65	•	•	•
Transcend	TX2400KLU-4GK(374243)(XMP)	2GB	DS	-	-	-	1.65	•	•	•
Patriot	PVV34G2400C9K(XMP)	4GB ( 2x 2GB )	DS	-	-	9-11-9-27	1.66	•	•	•
Patriot	PXD38G2400C11K	8GB ( 2x 4GB )	DS	-	-	11-11-11-30	1.65	•	•	•

#### 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.

-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.