

DDR3 1333 Qualified Vendors List (QVL)									
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
UMAX	84E44G93UM-13BPSYW	4GB	SS	UMAX	U2S96D30TP-13	1333-9-9-9-24	-	•	•
UMAX	84E48G93UM-13BPSYW	8GB	DS	UMAX	U2S96D30TP-13	1333-9-9-9-24	-	•	•

DDR3 1600 Qualified Vendors List (QVL)									
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
A-DATA	ADDU1600W4G11-B	4GB	SS	A-DATA	DWND-1211A	9-9-9-24	-	•	•
A-DATA	ADDU1600W8G11-B	8GB	DS	ELPIDA	J4208EBBG-GN-F	9-9-9-24	-	•	•
A-DATA	AX3U1600W4G9-DB(XMP)	8GB (2x 4GB)	SS	-	-	9-9-9-24	1.5	•	•
A-DATA	AX3U1600W8G9-DB(XMP)	16GB (2x 8GB)	DS	-	-	9-9-9-24	1.5	•	•
CORSAIR	CMZ16GX3M4X1600C9 (Ver8.16)(XMP)	16GB (4x 4GB)	DS	-	-	1600-9-9-9-24	1.5	•	•
Crucial	BLS4G3D1609DS1S00.16FMR(XMP)	4GB	DS	-	-	1600-9-9-9-24	1.5	•	•
Hynix	HMT41GU6AFR8A-PB	8GB	DS	Hynix	H5TC4G83AFR	1600-11-11-11-28-1	-	•	•
Hynix	HMT451U6AFR8A-PB	4GB	SS	Hynix	H5TC4G83AFR	1600-11-11-11-28-1	-	•	•
Hynix	HMT451U6AFR8A-PB	4GB	SS	Hynix	H5TC4G83AFR	1600-11-11-11-28-1	-	•	•
KINGSTON	KVR16LN11/4(矮版)	4GB	SS	Kingston	D5128EC4BPGGBU	11-11-11-28	1.35	•	•
KINGSTON	KVR16LN11/8	8GB	DS	Kingston	D5128EETBPGGBU	11-11-11-28	1.35	•	•
Patriot	PV316G160C9K(XMP)	16GB (2x 4GB)	SS	-	-	1600-9-9-9-24	1.5	•	•
Patriot	PV316G160C9K(XMP)	16GB (2x 8GB)	SS	-	-	1600-9-9-9-24	1.5	•	•
SanMax	SMD-4G28N1P-16KM	4GB	SS	ELPIDA	J4208BBBG-GN-F	1600	-	•	•
SanMax	SMD-8G28NP-16KM	8GB	DS	ELPIDA	J4208BBBG-GN-F	1600	-	•	•
Silicon Power	SP004GLYU160NSA(XMP)	4GB	SS	-	-	1600-9-9-9-27	-	•	•
Silicon Power	SP008GLYU160NSA(XMP)	8GB	DS	-	-	1600-9-9-9-27	-	•	•
Team	TED34GM1600C1BK	4GB	DS	Hynix	H5TQ2G83CFR	11-11-11-28	1.5	•	•
Team	TLD38G1600HC9BK(XMP)	8GB	DS	-	-	9-9-9-24	1.5	•	•
Transcend	TS1GLK64W6H	8GB	DS	SAMSUNG	K4B4G08460	1600-11-11-11-28-2	-	•	•
Transcend	TSS12MLK64W6H	4GB	SS	SAMSUNG	K4B4G08460	1600-11-11-11-28-1	-	•	•
UMAX	84E44G93UM-16BPSYW	4GB	SS	UMAX	U2S96D30TP-16	1600-11-11-11-28	-	•	•
UMAX	84E48G93UM-16BPSYW	8GB	DS	UMAX	U2S96D30TP-16	1600-11-11-11-28	-	•	•

DDR3 1866 Qualified Vendors List (QVL)									
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
CORSAIR	CMZ16GX3M2A1866C9(XMP)	16GB (2x 8GB)	DS	-	-	1866-9-10-9-27	1.5	•	•
Crucial	BLE8G3D1869DE1TX0.16FED(XMP)	16GB (2x 8GB)	DS	-	-	1866-9-9-9-27	1.5	•	•
G.SKILL	F3-1866C10Q2-64GZM(XMP)	64GB (2x 8GB)	DS	-	-	10-11-10-30	1.5	•	•
G.SKILL	F3-1866C10Q2-64GZM(XMP)	64GB (2x 8GB)	DS	-	-	10-11-10-30	1.5	•	•
GEIL	GEEL316GB1866C9DC(XMP)	16GB (2x 8GB)	DS	-	-	1866-9-10-9-28	1.65	•	•
Silicon Power	SP004GLYU186NSA(XMP)	4GB	SS	-	-	1866-9-11-9-27	-	•	•
Silicon Power	SP008GLYU186NSA(XMP)	8GB	DS	-	-	1866-9-11-9-27	-	•	•
Team	TED38GM1866C1BK	8GB	DS	Hynix	H5TQ4G83AFR	13-13-13-32	1.5	•	•

DDR3 2133 Qualified Vendors List (QVL)									
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
A-DATA	AX3U2133W4G10-DR(XMP)	8GB (2x 4GB)	SS	-	-	10-11-11-30	1.65	•	•
A-DATA	AX3U2133W8G10-DR(XMP)	16GB (2x 8GB)	DS	-	-	10-11-11-30	1.65	•	•
Silicon Power	SP004GLYU213NSA(XMP)	4GB	SS	-	-	2133-11-12-11-30	-	•	•
Silicon Power	SP008GLYU213NSA(XMP)	8GB	DS	-	-	2133-11-12-11-30	-	•	•
Team	TLD38G2133HC11ABK(XMP)	8GB	DS	-	-	11-11-11-31	1.65	•	•

DDR3 2400 Qualified Vendors List (QVL)									
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)	
								2 DIMM	4 DIMM
A-DATA	AX3U2400W4G11-DMV(XMP)	8GB (2x 4GB)	SS	-	-	11-13-13-35	1.65	•	•
A-DATA	AX3U2400W8G11-DMV(XMP)	16GB (2x 8GB)	DS	-	-	11-13-13-35	1.65	•	•
Silicon Power	SP004GLYU240NSA(XMP)	4GB	SS	-	-	2400-11-13-13-32	-	•	•
Team	TLD38G2400HC11CBK(XMP)	8GB	DS	-	-	11-13-13-35	1.65	•	•

- 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.