

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
CORSAIR	CMV4GX3M1A1333C9	4GB	SS	CORSAIR	512M8DCJGELBO3O1319	-	-	●	●	●
CORSAIR	CMX4GX3M1A1333C9	4GB	DS	-	-	9-9-9-24	1.50V	●	●	●
TEAM	TED38GM1333C9BKB	8GB	DS	HYNIX	DT38J3bbDHJ	9-9-9-24	1.5V	●	●	●
CORSAIR	CMX16GX3M2A1333C9(Ver7.21)	8GB	DS	-	-	9-9-9-24	1.50V	●	●	●

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	4 DIMM
CORSAIR	CMY8GX3M2A1600C9	4GB	SS	-	-	9-9-9-24	1.50V	●	●	●
CORSAIR	CMZ8GX3M2A1600C9	4GB	DS	-	-	9-9-9-24	1.50V	●	●	●
CORSAIR	CMZ8GX3M1A1600C10(XMP)	8GB	DS	-	-	10-10-10-27	1.50V	●	●	●
KINGSTON	KVR16N11S8/4(Low Profile)	4GB	SS	KINGSTON	U317X8BRRA19	-	1.50V	●	●	●
SANMAX	SMD-4G28N1P-16KM	4GB	SS	ELPIDA	J4208BBBG-GN-F	-	-	●	●	●
TEAM	TLD34G1600HCBK	4GB	SS	-	-	9-9-9-24	1.5V	●	●	●
TEAM	TED34GM1600C11BK	4GB	DS	HYNIX	DW3DJJ273	-	1.5V	●	●	●
TEAM	TED38GM1600C11BK	8GB	DS	HYNIX	DT38J3bb4AM	11-11-11-28	1.5V	●	●	●
TEAM	TLD38G1600HC9BK	8GB	DS	-	-	9-9-9-24	1.5V	●	●	●
ADATA	ADDU1600W4G11-B	4GB	SS	ADATA	DWND-1211A	-	-	●	●	●
ADATA	ADDU1600W8G11-B	8GB	DS	ELPIDA	J4208EBBG-GN-F	-	-	●	●	●
MIRAGES	KMD3U1600V4G(PC3-12/00U)	4GB	SS	-	SEC246BCKOK4B4GO846C	-	-	●	●	●
V-COLOR	TD4G8C11-H11	4GB	SS	HYNIX	H5TQ4G83MFR	-	-	●	●	●
G.SKILL	F3-1600C11S-4GNT	4GB	SS	SEC 343 HYUNDAI	K4B4GO846D	11-11-11-28	1.5V	●	●	●
Transcend	TS512MLK64W6H	4GB	SS	SEC 343 HYUNDAI	K4B4GO846D	11-11-11-28	1.35V	●	●	●
Transcend	TS1GLK64W6H	8GB	DS	SEC 343 HYUNDAI	K4B4GO846D	11-11-28-39	1.35V	●	●	●
ADATA	N/A	4GB	SS	ADATA	3WCD-12IIA EL1348V	-	-	●	●	●
AVEXIR	AVD3U16000904G-4CI	4GB	SS	-	-	11-11-11-28	1.5V	●	●	●
AVEXIR	AVD3U16001008G-4CI	8GB	DS	-	-	11-11-11-28	1.5V	●	●	●
TEAM	TED34GM1600C11BK	4GB	DS	HYNIX	H5TQ2G83CFY	11-11-11-28	1.5V	●	●	●
TEAM	TLD38G1600HC9BK	8GB	DS	-	-	9-9-9-24	1.5V	●	●	●
CORSAIR	CMV4GX3M1A1600C11	4GB	SS	CORSAIR	512M8DDLGPSBO381320	-	-	●	●	●
CORSAIR	CML8GX3M2A1600C9	4GB	DS	-	-	9-9-9-24	1.50V	●	●	●
CORSAIR	CMZ4GX3M1A1600C9	4GB	DS	-	-	9-9-9-24	1.50V	●	●	●
CORSAIR	CML16GX3M2A1600C10	8GB	DS	-	-	10-10-10-27	1.50V	●	●	●
CORSAIR	CMV8GX3M1A1600C11	8GB	DS	CORSAIR	512M8DDLGPSBO381311	-	-	●	●	●
CORSAIR	CMY16GX3M2A1600C9	8GB	DS	-	-	9-9-9-24	1.50V	●	●	●
CORSAIR	CMY32GX3M4A1600C9	8GB	DS	-	-	9-9-9-24	1.50V	●	●	●
KINGSTON	KHX1600C9D3/4G	4GB	DS	-	-	-	1.65V	●	●	●
SANMAX	SMD-8G28NP-16KM	8GB	DS	ELPIDA	J4208BBBG-GN-F	-	1.50V	●	●	●

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
CORSAIR	CMY8GX3M2A1866C9	4GB	SS	-	-	9-10-9-27	1.50V	●	●	●
CORSAIR	CMY32GX3M4A1866C9	8GB	DS	-	-	9-10-9-27	1.50V	●	●	●
CORSAIR	CMZ16GX3M2A1866C10(Ver4.21)	8GB	DS	-	-	10-11-10-30	1.50V	●	●	●
TEAM	TLD38G1866HC10SBK	8GB	DS	-	-	10-11-10-30	1.5V	●	●	●
AMD	AP38G1869U1K(XMP)	4GB	SS	-	-	9-10-9-27	1.5V	●	●	●
AVEXIR	AVD3U0904G-4CI	4GB	SS	-	-	11-11-11-20-20	1.65V	●	●	●
AVEXIR	AVD3U0908G-4CI	8GB	DS	-	-	11-11-11-20-20	1.5V	●	●	●
CORSAIR	CMD32GX3M4A1866C9(Ver3.24)	8GB	DS	-	-	9-10-9-27	1.50V	●		
CORSAIR	CMY16GX3M2A1866C9(Ver3.24)	8GB	DS	-	-	9-10-9-27	1.50V	●	●	
TEAM	TED34GM1866C13BK	4GB	DS	HYNIX	DW3DJ472B3	-	1.5V		●	

DDR3 2133 Qualified Vendors List (QVL)								
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)
								1 DIMM
CORSAIR	CMD8GX3M2B2133C9(Ver5.12)	4GB	DS	-	-	9-11-11-31	1.65V	● ● ●
CORSAIR	CMD16GX3M2A2133C9(Ver4.21)	8GB	DS	-	-	9-11-11-31	1.65V	● ● ●
CORSAIR	CMZ8GX3M2A2133C11(Ver4.21)	4GB	SS	-	-	11-11-11-27	1.50V	● ● ●
CORSAIR	CMD32GX3M4A2133C9(Ver4.21)	8GB	DS	-	-	9-11-11-31	1.65V	● ● ●
TEAM	TLD34G2133HC11ABK	4GB	SS	-	-	11-11-11-31	1.65V	● ● ●
TEAM	TLD38G2133HC11ABK	8GB	DS	-	-	11-13-13-31	1.65V	● ● ●
AMD	AG316G2130U1S	4GB	SS	-	-	10-11-11-30	1.65V	● ● ●
KINGSTON	KHX21C11T2K2/8X	8GB (2x 4GB)	SS	-	-	11-11-11-28-39	1.6V	● ● ●
AVEXIR	AVD3U21330908G-4BZ1	4GB	SS	-	-	11-11-11-28-29	1.65V	● ● ●
AVEXIR	AVD3U21331104G-4CI	4GB	SS	-	-	11-11-11-28-29	1.5V	● ● ●

DDR3 2400(Downgrade to 2400)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
TEAM	TLD38G2400HC11CBK	8GB	DS	-	-	11-13-13-35	1.65V	●	●	●

DDR3 2933(Downgrade to 2400)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
AVEXIR	AVD3UH29331208G-4BZ1	8GB	DS	-	-	11-11-11-Z6-20	1.65V	●	●	●

DDR3 3000 (Downgrade to 2400)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
AVEXIR	AVD3UH31001204G-4BZ1	4GB	SS	-	-	11-11-11-Z6-20	1.65V	●	●	●

DDR3 3100 (Downgrade to 2400)										
Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	DIMM socket support (Optional)		
								1 DIMM	2 DIMM	4 DIMM
AVEXIR	AVD3UH31001204G-4BZ1	4GB	SS	-	-	11-11-11-Z6-20	1.65V	●	●	●

- 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

-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.