

**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	•	•	•
CORSAIR	CMX16GX3M2A1333C9(Ver7.21)	8GB	DS	-	-	9-9-9-24	1.50V	•	•	•
TEAM	TED34GM1333C9BK	4GB	DS	HYNIX	DWLDL9J5HL	9-9-9-24	1.5V	•	•	•
TEAM	TED38GM1333C9BK	8GB	DS	HYNIX	DT38J3bbDHJ	9-9-9-24	1.5V	•	•	•
KINGSTON	KVR13N9S8/4-SP(low profile)	4GB	SS	NANYA	NT5CC512MDDN-CG	-	1.5V	•	•	•

**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	CML16GX3M2A1600C10	8GB	DS	-	-	10-10-10-27	1.50V	•	•	•
CORSAIR	CMV8GX3M1A1600C11	8GB	DS	CORSAIR	512M8DDLGPBBO381311	-	-	•	•	•
CORSAIR	CMY16GX3M2A1600C9	8GB	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	U317X8BRRRA19	-	1.50V	•	•	•
SANMAX	SMD-4G28N1P-16KM	4GB	SS	ELPIDA	J4208BBBG-GN-F	-	-	•	•	•
SANMAX	SMD-8G28NP-16KM	8GB	DS	ELPIDA	J4208BBBG-GN-F	-	1.50V	•	•	•
TEAM	TED34GM1600C11BK	4GB	DS	HYNIX	DW3DJJ273	-	1.5V	•	•	•
TEAM	TED38GM1600C11BK	8GB	DS	HYNIX	DT38J3bb4AM	11-11-11-28	1.5V	•	•	•
ADATA	ADDU1600W4G11-B	4GB	SS	ADATA	DWND-1211A	-	-	•	•	•
ADATA	AX3U1600W8G9-DB	16GB (2x 8GB)	DS	-	-	9-9-9-24	1.5V	•	•	•
ADATA	ADDU1600W8G11-B	8GB	DS	ELPIDA	J4208EBBG-GN-F	-	-	•	•	•
V-COLOR	TD4G8C11-H11	4GB	SS	HYNIX	H5TQ4G83MFR	-	-	•	•	•
APACER	78.BAQEJ.9LK0C (XMP)	4GB	DS	-	-	9-9-9-27	-	•	•	•
GEIL	GB34GB1600C11DC (XMP)	4GB	DS	GEIL	GL1L256M88BA15GL	-	1.5V	•	•	•
GEIL	GVP38GB1600C9SC (XMP)	4GB	DS	-	-	11-11-11-28	1.5V	•	•	•
KINGSTON	KHX1600C9D3K2/8GX (XMP)	4GB	SS	-	-	-	1.65V	•	•	•
AMD	AE38G1609U1K	4GB	SS	-	-	9-9-9-28	1.5V	•	•	•

**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	CMZ16GX3M2A1866C10(Ver4.21)	8GB	DS	-	-	10-11-10-30	1.50V	•	•	•
AMD	AP38G1869U2K	8GB(4GBx2)	DS	-	-	9-10-9-27	1.5V	•	•	•
TEAM	TED38GM1866C13BK	8GB	DS	HYNIX	DT38G54BHM	-	1.5V	•	•	•
AMD	AP38G1869U1K(XMP)	4GB	SS	-	-	9-10-9-27	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	2 DIMM	4 DIMM
CORSAIR	CMY8GX3M2A2133C11R	8GB(4 x 2GB)	SS	-	-	11-11-11-27	1.50V	•	•	•
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	•	•	•

**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
CORSAIR	CMD32GX3M4A2400C10(Ver5.29)	8GB	DS	-	-	10-12-12-31	1.65V	•	•	•
CORSAIR	CMY16GX3M2A2400C10R(Ver4.21)	8GB	DS	-	-	10-12-12-31	1.65V	•	•	•

**DDR3 2800 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	F3-2800C12Q-32GGTXDG	8GB	DS	-	-	12-14-14-35	1.65V	•	•	•

**DDR3 2933 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	F3-2933C12D-16GTDXG	8GB	DS	-	-	12-14-14-35	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 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.