

**P8Q77-M**

**DDR3 1866 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	ocket support (O)	
								2 DIMM	4 DIMM
A-DATA	AX3U1866PB2G8-DP2(XMP)	2GB	DS	-	-	8-8-8-24	1.55V-1.75V		
CORSAIR	CMT4GX3M2A1866C9(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V	<	<
CORSAIR	CMT6GX3MA1866C9(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-24	1.65V	<	<
CORSAIR	CMZ8GX3M2A1866C9(XMP)	8GB(2 x 4GB)	DS	-	-	9-10-9-27	1.50V	<	<
G.SKILL	F3-14900CL9Q-16GBZL(XMP1.3)	16GB ( 4GB x4)	DS	-	-	9-10-9-28	1.5V	<	<
G.SKILL	F3-14900CL10Q2-64GBZLD(XMP1.3)	64GB ( 8GB x 8)	DS	-	-	10-11-10-30	1.5V	<	<
G.SKILL	F3-14900CL9D-8GBXL(XMP)	8GB(2 x 4GB)	DS	-	-	9-10-9-28	1.5V	<	<
G.SKILL	F3-14900CL9Q-8GBXL(XMP)	8GB(2GBx4)	DS	-	-	9-9-9-24	1.6V	<	<
KINGSTON	KHX1866C9D3T1K3/3GX(XMP)	3GB(3 x 1GB)	SS	-	-	-	1.65V	<	<
KINGSTON	KHX1866C9D3K4/16GX(XMP)	16GB ( 4GB x4)	DS	-	-	-	1.65V	<	<
KINGSTON	KHX1866C9D3T1K3/6GX(XMP)	6GB(3 x 2GB)	DS	-	-	-	1.65V	<	<
KINGSTON	KHX1866C11D3P1K2/8G	8GB ( 4GB x 2)	DS	-	-	-	1.5V	<	<
Vendor	PartNum.	Size	SS/DS	Chip Brand	ChipNum.	Timing - Dimm	Vol.		

**DDR3 2000 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	ocket support (O)	
								2 DIMM	4 DIMM
Apacer	78.AAGD5.9KD(XMP)	6GB(3 x 2GB)	DS	-	-	9-9-9-27	1.65V		
CORSAIR	CMZ4GX3M2A2000C10(XMP)	4GB(2 x 2GB)	SS	-	-	10-10-10-27	1.50V	<	<
CORSAIR	CMT6GX3M3A2000C8(XMP)	6GB(3 x 2GB)	DS	-	-	8-9-8-24	1.65V		
G.SKILL	F3-16000CL9D-4GBFLS(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-24	1.65V		
G.SKILL	F3-16000CL9D-4GBTD(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-27	1.65V		
G.SKILL	F3-16000CL6T-6GBPIS(XMP)	6GB (3x 2GB )	DS	-	-	6-9-6-24	1.65V	<	<
GEIL	GUP34GB2000C9DC(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-28	1.65V	<	<
KINGSTON	KHX2000C9AD3T1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65V	<	<
KINGSTON	KHX2000C9AD3W1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65V	<	<
KINGSTON	KHX2000C9AD3T1K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	9	1.65V	<	<
KINGSTON	KHX2000C9AD3W1K3/6GX(XMP)	6GB ( 3x 2GB )	DS	-	-	-	1.65V	<	<
KINGSTON	KHX2000C9AD3T1K3/6GX(XMP)	6GB (3x 2GB )	DS	-	-	-	1.65V		
Transcend	TX2000KLN-8GK(XMP)	8GB(2 x 4GB)	DS	-	-	-	1.6V		
Asint	SLA302G08-ML2HB(XMP)	4GB	DS	HYNIX	H5TQ2G 83BFR H9C	-	-	<	<
PATRIOT	PVT36G2000LLK	6GB(3 x 2GB)	DS	-	-	8-8-8-24	1.65V		
Vendor	PartNum.	Size	SS/DS	Chip Brand	ChipNum.	Timing - Dimm	Vol.		

**DDR3 2133 Qualified Vendors List (QVL)**

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	ocket support (O)	
								2 DIMM	4 DIMM
A-DATA	AX3U2133GC2G9B-DG2(XMP)	2GB	SS	-	-	9-11-9-27	1.55~1.75V		
CORSAIR	CMT16GX3M4X2133C9(XMP 1.3)	16GB ( 4GB x4)	DS	-	-	9-11-10-27	1.50V	<	<
CORSAIR	CMT4GX3M2A2133C9(XMP)	4GB(2x 2GB)	DS	-	-	9-10-9-24	1.65V	<	<

<b>CORSAIR</b>	CMT4GX3M2B2133C9(XMP)	4GB(2x 2GB)	DS	-	-	9-10-9-27	1.50V	<	<
<b>CORSAIR</b>	CMT8GX3M2B2133C9(XMP)	8GB ( 4GB x 2)	DS	-	-	9-11-9-27	1.50V		
<b>G.SKILL</b>	F3-17000CL9Q-16GBZH(XMP1.3)	16GB ( 4GB x 4)	DS	-	-	9-11-10-28	1.65V		
<b>GEIL</b>	GE34GB2133C9DC(XMP)	2GB	DS	-	-	9-9-9-28	1.65V	<	<
<b>GEIL</b>	GU34GB2133C9DC(XMP)	4GB(2 x 2GB)	DS	-	-	9-9-9-28	1.65V	<	<
<b>KINGSTON</b>	KHX2133C9AD3T1K2/4GX(XMP)	4GB ( 2x 2GB )	DS	-	-	-	1.65V	<	<
<b>KINGSTON</b>	KHX2133C9AD3X2K2/4GX(XMP)	4GB(2 x 2GB)	DS	-	-	9-11-9-27	1.65V		
<b>KINGSTON</b>	KHX2133C9AD3T1K4/8GX(XMP)	8GB(4 x 2GB)	DS	-	-	9-11-9-27	1.65V	<	<
<b>KINGSTON</b>	KHX2133C9AD3T1FK4/8GX(XMP)	8GB(4x 2GB)	DS	-	-	-	1.65V	<	<
<b>PATRIOT</b>	PGD38G2133C11K(XMP)	16GB ( 4GB x 4)	DS	-	-	11-11-11-30	1.65V	<	<
<b>Vendor</b>	PartNum.	Size	SS/DS	Chip Brand	ChipNum.	Timing - Dimm	Vol.		

### DDR3 2200 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	ocket support (O)	
								2 DIMM	4 DIMM
<b>G.SKILL</b>	F3-17600CL8D-4GBPS(XMP)	4GB(2 x 2GB)	DS	-	-	8-8-8-24	1.65V	<	
<b>GEIL</b>	GET34GB2200C9DC(XMP)	2GB	DS	-	-	9-10-9-28	1.65V		
<b>GEIL</b>	GET38GB2200C9ADC(XMP)	4GB	DS	-	-	9-11-9-28	1.65V		
<b>KINGMAX</b>	FLKE85F-B8KJAA-FEIS(XMP)	2GB	DS	-	-	-	-		
<b>KINGMAX</b>	FLKE85F-B8KHA EEIH(XMP)	4GB(2 x 2GB)	DS	-	-	-	1.5V-1.7V	<	<
<b>KINGMAX</b>	FLKE85F-B8KJA FEIH(XMP)	4GB(2 x 2GB)	DS	-	-	-	1.5V-1.7V		
<b>Vendor</b>	PartNum.	Size	SS/DS	Chip Brand	ChipNum.	Timing - Dimm	Vol.		

### DDR3 2400 Qualified Vendors List (QVL)

Vendors	Part No.	Size	SS/DS	Chip Brand	Chip NO.	Timing	Voltage	ocket support (O)	
								2 DIMM	4 DIMM
<b>CORSAIR</b>	CMGTX8(XMP)	8GB (2GBx 4)	SS	-	-	10-12-10-27	1.65V		
<b>G.SKILL</b>	F3-19200CL11Q-16GBZHD(XMP1.3)	16GB ( 4GB x 4)	DS	-	-	11-11-11-31	1.65V	<	<
<b>G.SKILL</b>	F3-19200CL9D-4GBPIS(XMP)	4GB(2x 2GB)	DS	-	-	9-11-9-28	1.65V	<	<
<b>GEIL</b>	GET34GB2400C9DC(XMP)	2GB	DS	-	-	9-11-9-27	1.65V	<	<
<b>KINGMAX</b>	FLLE88F-C8KCAA HAIS(XMP)	2GB	SS	-	-	10-11-10-30	1.8V		
<b>Transcend</b>	TX2400KLU-4GK(427652)(XMP)	4GB(2 x 2GB)	SS	-	-	-	1.65V		
<b>Transcend</b>	TX2400KLU-4GK (381850)(XMP)	4GB(2x 2GB)	SS	-	-	9	1.65V		
<b>Transcend</b>	TX2400KLU-4GK(374243)(XMP)	4GB(2x 2GB)	DS	-	-	9	1.65V	<	<
<b>PATRIOT</b>	PVV34G2400C9K(XMP)	4GB(2x 2GB)	DS	-	-	9-11-9-27	1.65V		
<b>Vendor</b>	PartNum.	Size	SS/DS	Chip Brand	ChipNum.	Timing - Dimm	Vol.		

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.
- Due to Intel®3rd generation processors' behavior, DDR3 2250 MHz and higher memory frequencies runs at DDR3 2200 MHz as default. In addition, DDR3 2133 MHz runs at 2000 MHz and DDR3 1866 MHz runs at 1800 MHz as default.